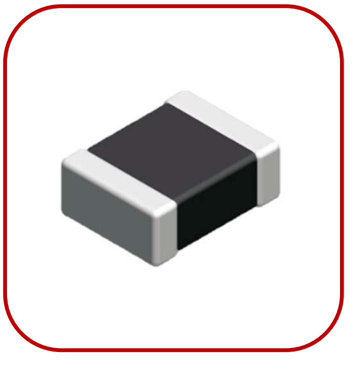
CATALOG 2020

MOLDING TYPE

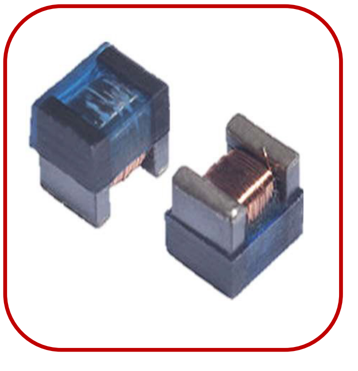
WIRE WOUND

COIL TYPE

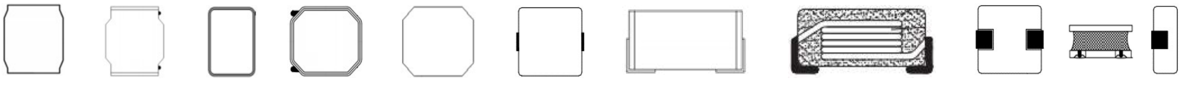
MULTILAYER
CERAMIC TYPE



MULTILAYER
FERRITE TYPE



WINDING TYPE



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Global Passive Components Provider

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HONGDA Inductor Line-up

Chip Inductor

Power Inductor

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Chip Inductor

Series	Description	Size(mm/inch)	Material	L Range(nH)	Tolerance	DCR (Ω)	SRF(Min/GHz)	Current(mA)
HDCI	Chip Inductor (Ceramic)	0603 (0201)	T	0.6~100	S/D/J/K	0.06~5.8	1.2~10	60~600
		1005 (0402)	T	1.0~330	S/D/J/K	0.08~6.0	0.35~10	50~400
		1608 (0603)	H	1.0~330	S/D/J/K	0.05~3.0	0.35~10	300~500
		2012 (0805)	H	1.5~470	S/D/J/K	0.1~2.8	0.2~6	300~600

Series	Description	Size(mm/inch)	Material	L Range(uH)	Tolerance	DCR (Ω)	SRF(Min/MHz)	Current(mA)
HDFI	Chip Inductor (Ferrite)	1005 (0402)	A	0.047~0.82	±5,10,20%	0.45~3.15	45~220	18~25
			C	1.0~4.7	±5,10,20%	0.9~3.15	15~40	10~15
			D	5.6~10	±5,10,20%	2.35~3.45	9~13	2~3
		1608 (0603)	A	0.047~0.82	±5,10,20%	0.2~2.1	165~600	35~50
			C	1.0~4.7	±5,10,20%	0.6~2.1	50~125	15~25
			D	5.6~12	±5,10,20%	1.55~2.75	22~45	3~5
			E	15~33	±5,10,20%	1.7~2.95	10~20	1
		2012 (0805)	A	0.047~0.82	±5,10,20%	0.2~1.0	100~350	150~300
			C	1.0~4.7	±5,10,20%	0.4~1.0	35~75	30~50
			D	5.6~12	±5,10,20%	0.9~1.25	22~32	15
			E	15~100	±5,10,20%	0.8~2.5	8~19	2~5

Series	Description	Size(mm/inch)	Material	L Range(nH)	Tolerance	DCR(Ω)	SRF(Min/GHz)	Current(mA)
HDTC	High Q (Ceramic)	1005 (0402)	C	1.0~120	±2,5%	0.045~2.2	1.1~12.7	30~1360
			H	1.5~120	±2,5%	0.03~2.66	1.0~18	110~1000
			P	1.3~75	±2,5%	0.012~1.224	2.4~18	320~3150
			HP	1.0~220	±2,5%	0.03~3.1	0.96~16	160~2300
		1608 (0603)	C	1.6~390	±2,5%	0.03~4.35	0.78~12.5	100~700
		2012 (0805)	C	3.3~1000	±2,5%	0.08~2.5	0.22~7.9	170~600

Series	Description	Size(mm/inch)	Material	L Range(μH)	Tolerance	DCR(Ω)	SRF(Min/MHz)	Current(mA)
HTF	High Q (Ferrite)	1005 (0402)	H	0.02~0.56	±5,10%	0.05~0.92	600~2600	200~1600
			P	0.02~3.3	±5,10%	0.028~3.65	80~3000	130~2200
		1608 (0603)	W	0.05~22	±5,10%	0.1~12	10~1700	100~1500
		2012 (0805)	W	0.12~110	±5,10%	0.27~26	5~340	20~750
		2520 (1008)	W	1.0~100	±5,10%	0.62~20.5	4.5~230	120~700
		3225 (1210)	W	0.56~680	±5,10%	0.55~90	2~180	10~450

Power Inductor

Series	Description	Size(mm/Inch)	Material	L Range(μH)	Tolerance	DCR(mΩ)	SFR(Min/MHz)	Irms(A)
HDFL	Chip Ferrite Larget Current	1608 (0603)	F	1.0~22	±20%	0.18~1.0	15~125	0.2~1.0
			C	1.0~4.7	±20%	0.3~1.0	50~125	0.3~0.6
		2012 (0805)	F	1.0~22	±20%	0.15~0.7	18~75	0.3~1.4
			C	1.0~4.7	±20%	0.18~0.35	35~75	0.5~1.0
			UF	1.0~4.7	±20%	0.15~0.25	20~60	1.0~1.4
		2016 (0806)	F	1.0~4.7	±20%	0.11~0.25	20~60	1.1~1.4
			C	1.0~4.7	±20%	0.1~0.3	20~60	0.7~1.2
			UF	1.0~4.7	±20%	0.18~0.45	15~55	1.1~1.4
		2520 (1008)	F	1.0~4.7	±20%	0.15~0.32	20~60	1.1~1.6
			C	1.0~4.7	±20%	0.11~0.25	20~60	0.85~1.1
			UF	1.0~4.7	±20%	0.11~0.25	15~50	1.3~1.6

Series	Description	Size(mm)	Material	L Range(μH)	Tolerance	DCR(mΩ)	Isat(A)	Irms(A)
HPIM	Small Siz Molding	201208	H	0.11~1.0	±20%	12.8~105	2.4~6.5	1.8~5.3
		201210	H	0.11~1.0	±20%	13~75	2.8~6.8	2.5~5.5
		201610	H	0.22~2.2	±20%	26~168	1.8~5.4	1.4~3.8
			E	0.24~1.0	±20%	20~54	4.0~6.8	3.5~5.2
		252010	H	0.22~2.2	±20%	15~115	2.4~6.5	1.7~5.0
			E	0.24~1.0	±20%	15~48	4.1~8.5	3.1~5.7
HAPM	Big Size Molding	0420 Series	F	0.47~10	±20%	14~200	2~9.5	1.5~7.0
		0530 Series	F	0.47~10	±20%	8.5~130	3.7~16	3.1~12
		0630 Series	F	0.47~22	±20%	4.5~167	3~25	2.5~17.5
		1040 Series	F	1~22	±20%	4.7~72	5~28	3~18
		1335 Series	F	0.5~22	±20%	2~90	4.5~55	3~32
		1350 Series	F	0.5~10	±20%	1.3~26	16~65	9~38

Power Inductor

Series	Description	Size(mm)	L Range(μH)	Tolerance	DCR(mΩ)	Isat(A)	Irms(A)
HPIA	Wire Wound	201608	0.24~2.2	±20%	38~255	1.2~4.3	1.1~2.8
	(Alloy)	201610	0.24~4.7	±20%	32~430	1.0~5.0	0.9~3.65
		252008	0.24~10	±20%	44~1290	0.8~6.5	0.43~2.3
		252010	0.24~10	±20%	30~60	0.95~5.7	0.9~3.85
		252012	0.24~10	±20%	25~450	1.3~5.5	0.7~4.3
		3012	0.47~10	±20%	33~440	1.55~7.0	1.1~34.0
		3015	0.47~10	±20%	30~320	1.5~7.5	1.35~4.6
HPIAL	Wire Wound	201608	0.24~2.2	±20%	41~275	1.6~5.5	1.05~2.7
	(Alloy)	201610	0.24~4.7	±20%	26~430	1.4~5.9	0.95~4.35
		252010	0.24~4.7	±20%	20~255	1.8~8.0	1.35~5.25
HPIE	Wire Wound	201608	0.24~4.7	±20%	44~500	0.8~4.1	0.74~4.5
	(Ferrite)	201610	0.24~22	±20%	32~1750	0.5~4.5	0.36~3.7
		252008	0.24~10	±20%	40~960	0.43~3.0	0.46~2.2
		252010	0.24~15	±20%	30~990	0.5~4.0	0.45~3.9
HPIH	Wire Wound	201610	0.24~10	±20%	32~820	0.6~3.8	0.6~3.7
	(Ferrite)	252010	0.47~4.7	±20%	42~330	1.15~3.4	1.0~3.2
		252012	0.24~47	±20%	26~2250	0.4~5.4	0.32~3.8
HPIT	Wire Wound	252010	0.47~47	±20%	56~2400	0.28~3.2	0.28~2.43
	(Ferrite)	252012	0.47~22	±20%	35~1150	0.5~3.8	0.5~3.0
		3010	0.56~33	±20%	48~1200	0.3~2.5	0.3~2.0
		3012	0.47~47	±20%	30~1560	0.35~3.5	0.4~2.8
		3015	0.22~100	±20%	12~4040	0.23~6.5	0.21~6.0
		4012	0.82~100	±20%	65~3600	0.3~3.45	0.28~2.0
		4018	0.24~220	±20%	16~3600	0.3~6.5	0.21~4.6
		4030	0.91~330	±20%	17~4080	0.3~7.0	0.27~4.15
		5020	0.47~22	±20,30%	13~226	1.15~6.15	1.1~4.6
		5040	1.0~100	±20,30%	12~560	0.75~7.35	0.7~4.9
		6028	1.0~1000	±20,30%	11~7150	0.22~6.3	0.25~5.5
		6045	0.82~1000	±20%	11~5650	0.4~13	0.3~5.75
		8040	0.47~330	±20,30%	7~1066	1.65~16.5	1.45~8.0
		8065	1.0~6800	±20%	11~22200	0.28~20	0.15~7.3

Coil Inductor

Series	Size	L Range(μH)	Tolerance	DCR(Max/Ω)	Isat(A)	Irms(A)
HDCDH	8D28	3.3~100	±30%	0.018~0.43	0.75~4	0.8~6
	8D38	3.5~100	±30%	0.024~0.36	1.3~5	0.8~5.2
	8D43	3.9~100	±30%	0.019~0.36	1.3~5.9	0.8~4.5
HDCDRH	104	1.5~330	±30%	0.008~1.09	0.7~10	0.52~6.5
	105	10~330	±30%	0.026~0.812	0.75~4.45	0.73~4.5
HDSFD	2D11	1.5~10	±30%	0.068~0.4	0.35~0.9	0.65~1.48
	2D11HP	1.5~10	±30%	0.08~0.559	0.52~1.35	0.52~1.6

Series	Size	L Range(μH)	Tolerance	DCR(Max/Ω)	Rated Current(A)
HDSFD	4D18	1~100	±30%	0.045~1.73	0.2~1.72
	4D28	1.2~100	±30%	0.024~1.2	0.36~2.56
	5D18	4.1~100	±30%	0.057~1.2	0.36~1.95
	5D28	2.5~100	±30%	0.018~0.52	0.42~2.6
	6D28	3~100	±30%	0.024~0.535	0.54~3
HDSDRH	73	10~1000	±20%	0.072~9.44	0.16~1.68
	74	10~1000	±20%	0.049~6	0.18~1.84
	124	3.9~330	±20%	0.015~0.99	0.5~6.5
	125	1.3~1000	±20,30%	0.012~1.53	0.4~8
	127	1.2~1000	±20,40%	0.007~1.82	0.55~9.8
HDSL	0628	4.7~100	±20,30%	35~516	0.42~1.6
	0645	1~100	±20,30%	23~420	0.3~2.7
	0745	3.3~1000	±20,30%	24~2736	0.14~2.5
	0755	1~220	±20,30%	19~660	0.55~7
	10145	3.3~1000	±20,30%	20~3360	0.32~4.9
	12555	3.3~1000	±20,30%	16~1344	0.34~4
HDSD	32	1~68	±10,20%	0.07~1.45	0.275~2.1
	43	1~68	±10,20%	0.04~1.17	0.48~3.8
	54	10~470	±10,20%	0.1~1.96	0.34~1.44
	75	10~470	±10,20%	0.07~1.96	0.34~2.3

Chip Inductor

Multilayer Chip Type

Compact Size • High SRF • High Reliability

MOBILE PHONE

PDA

SMART WATCH

BLUETOOTH

RF EQUIPMENT

NOTE BOOK

DIGITAL CAMERA

HEADPHONE

Chip Inductor Multilayer Type

HDCI Ceramic Chip Inductor Seri
0603/1005/1608/2012 Size

Ordering Information

HDCI 1608 H 10N J T - LF

(1) (2) (3) (4) (5) (6) (7)

(1) Series Name

(2) Product Dimension (L*W mm)

(3) Material Code

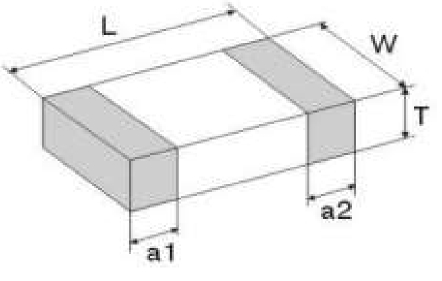
(4) Inductance Value (3N3: 3.3nH / 10N: 10nH / R10: 100nH)

(5) Inductance Tolerance (S: ± 0.3% / D: ± 0.5% / J: ± 5% / K: ± 10%)

(6) Packing Style (T: Taping / B:Bulk)

(7) Lead Free Products

Shape & Dimensions



Size	Dimensions (mm / Inch)			
	L	W	T	a1, a2
0603 [0201]	0.60±0.05 [0.024±0.002]	0.30±0.05 [0.012±0.002]	0.30±0.05 [0.012±0.002]	0.10±0.20 [0.004~0.008]
1005 [0402]	1.00±0.15 [0.04±0.006]	0.50±0.15 [0.02±0.006]	0.50±0.15 [0.02±0.006]	0.25±0.10 [0.01±0.004]
1608 [0603]	1.60±0.15 [0.063±0.006]	0.80±0.15 [0.031±0.006]	0.80±0.15 [0.031±0.006]	0.30±0.20 [0.012±0.008]
2012 [0805]	2.00±0.20 [0.079±0.008]	1.25±0.20 [0.049±0.008]	0.85±0.20 [0.033±0.008]	0.50±0.30 [0.02±0.012]

Chip Inductor Multilayer Type

HDCI Ceramic Chip Inductor Series 0603 Size

Electrical Characteristics

HDCI0603T Size

HONGDA Part No.	L	Q	L,Q Test Freq.	Q (MHz)					SRF (MHz)	RDC (Ω)	Ir (mA)
	(nH)	Min.	(MHz)	500	800	1800	2000	2400	Min.	Max.	Max.
HDCI0603T0N6 □	0.6	14	500	>24	>32	>54	>57	>65	10000	0.06	600
HDCI0603T1N0 □	1	14	500	24	32	54	57	65	10000	0.08	520
HDCI0603T1N2 □	1.2	14	500	19	25	43	44	52	10000	0.12	420
HDCI0603T1N5 □	1.5	14	500	19	24	39	41	46	10000	0.12	420
HDCI0603T1N8 □	1.8	14	500	19	24	39	41	46	10000	0.15	380
HDCI0603T2N2 □	2.2	14	500	17	24	38	40	43	10000	0.25	290
HDCI0603T2N4 □	2.4	14	500	17	23	36	38	42	10000	0.22	310
HDCI0603T2N7 □	2.7	14	500	17	22	34	35	39	9200	0.22	310
HDCI0603T3N3 □	3.3	14	500	18	23	34	36	40	8100	0.30	270
HDCI0603T3N6 □	3.6	14	500	16	23	33	35	39	7700	0.38	240
HDCI0603T3N9 □	3.9	14	500	16	22	33	35	38	7400	0.42	230
HDCI0603T4N3 □	4.3	14	500	16	21	32	34	37	6800	0.44	220
HDCI0603T4N7 □	4.7	14	500	16	22	33	35	38	6200	0.45	220
HDCI0603T5N1 □	5.1	14	500	17	22	34	36	38	5900	0.46	210
HDCI0603T5N6 □	5.6	14	500	16	21	33	34	37	5500	0.46	210
HDCI0603T6N2 □	6.2	14	500	18	23	34	35	37	5100	0.48	210
HDCI0603T6N8 □	6.8	14	500	17	22	32	33	35	4900	0.50	200
HDCI0603T7N5 □	7.5	14	500	16	21	31	33	34	4700	0.50	200
HDCI0603T8N2 □	8.2	14	500	16	21	31	32	34	4300	0.56	190
HDCI0603T9N1 □	9.1	14	500	16	20	30	31	32	4100	0.72	170
HDCI0603T10N □	10	14	500	16	20	28	29	31	3800	0.80	160
HDCI0603T12N □	12	14	500	16	20	27	28	28	3400	0.80	160
HDCI0603T15N □	15	13	500	15	19	24	24	23	2600	0.85	160
HDCI0603T18N □	18	13	500	15	19	23	24	22	2300	1.00	140
HDCI0603T22N □	22	13	500	15	19	22	23	20	1900	1.30	130
HDCI0603T27N □	27	12	500	14	17	15	12	5	2000	1.60	100
HDCI0603T33N □	33	12	300	15	17	12	8	-	1700	2.20	100
HDCI0603T39N □	39	9	300	14	15	3	-	-	1500	2.50	80
HDCI0603T47N □	47	9	300	14	14	1	-	-	1300	2.70	80
HDCI0603T56N □	56	9	300	13	13	-	-	-	1200	3.20	60

Chip Inductor Multilayer Type

HDCI Ceramic Chip Inductor Series 1005 Size

Electrical Characteristics

HDCI1005T Size

HONGDA Part No.	Inductance	L Test Freq.	Q (MHz) Min.			SRF (MHz)	RDC (Ω)	Ir (mA)
	(nH)	(MHz)	100	900	1800	Min.	Max.	Max.
HDCI1005T1N0 □	1	100	9	44	50	10000	0.08	400
HDCI1005T1N2 □	1.2	100	9	44	50	10000	0.08	400
HDCI1005T1N5 □	1.5	100	9	43	48	6000	0.10	400
HDCI1005T1N8 □	1.8	100	9	35	45	6000	0.12	400
HDCI1005T2N2 □	2.2	100	9	30	43	6000	0.12	400
HDCI1005T2N4 □	2.4	100	9	30	43	6000	0.12	400
HDCI1005T2N7 □	2.7	100	9	30	40	6000	0.13	400
HDCI1005T3N0 □	3	100	9	30	40	6000	0.15	400
HDCI1005T3N3 □	3.3	100	9	30	40	6000	0.15	400
HDCI1005T3N9 □	3.9	100	9	30	41	4500	0.21	400
HDCI1005T4N3 □	4.3	100	9	30	36	4500	0.21	300
HDCI1005T4N7 □	4.7	100	9	29	38	4500	0.21	300
HDCI1005T5N1 □	5.1	100	9	28	36	4000	0.23	300
HDCI1005T5N6 □	5.6	100	9	25	32	4000	0.23	300
HDCI1005T6N2 □	6.2	100	9	25	32	4000	0.25	300
HDCI1005T6N8 □	6.8	100	9	25	33	4000	0.25	300
HDCI1005T7N5 □	7.5	100	9	25	32	3600	0.35	300
HDCI1005T8N2 □	8.2	100	9	25	32	3600	0.35	300
HDCI1005T9N1 □	9.1	100	9	25	31	3200	0.42	300
HDCI1005T10N □	10	100	9	26	30	3200	0.42	300
HDCI1005T12N □	12	100	9	26	29	2800	0.50	300
HDCI1005T15N □	15	100	9	25	26	2500	0.60	300
HDCI1005T18N □	18	100	9	23	24	2200	0.80	300
HDCI1005T22N □	22	100	9	23	22	1900	0.85	300
HDCI1005T27N □	27	100	9	23		1600	1.00	300
HDCI1005T33N □	33	100	9	22		1300	1.00	200
HDCI1005T39N □	39	100	9	21		1200	1.30	200
HDCI1005T47N □	47	100	9	20		1000	1.50	200
HDCI1005T56N □	56	100	9	17		750	1.80	200
HDCI1005T68N □	68	100	9	15		750	1.95	180
HDCI1005T82N □	82	100	9			600	2.10	150

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Chip Inductor Multilayer Type

HDCI Ceramic Chip Inductor Series1005 Size

Electrical Characteristics

HDCI1005T Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min (MHz) 100	900	1800	SRF (MHz) Min.	RDC (Ω) Max.	Ir (mA) Max.
HDCI1005TR10 □	100	100	9			600	2.50	150
HDCI1005TR12 □	120	100	9			600	2.80	150
HDCI1005TR15 □	150	100	8			550	2.50	150
HDCI1005TR18 □	180	100	8			500	3.30	100
HDCI1005TR22 □	220	100	8			450	3.70	100
HDCI1005TR27 □	270	100	8			400	4.10	50
HDCI1005TR33 □	330	50	8			350	6.00	50

Chip Inductor Multilayer Type
HDCI Ceramic Chip Inductor Series 1608 Size
Electrical Characteristics

HDCI1608H Size

HONGDA Part No.	Inductance (nH)	Q Min.	L Test Freq. (MHz)	SRF (MHz) Min.	RDC (Ω) Max.	Ir (mA) Max.
HDCI1608H1N0 □	1	8	100	>10000	0.05	500
HDCI1608H1N2 □	1.2	8	100	>10000	0.05	500
HDCI1608H1N5 □	1.5	8	100	>10000	0.10	500
HDCI1608H1N8 □	1.8	8	100	>10000	0.10	500
HDCI1608H2N2 □	2.2	8	100	10000	0.10	500
HDCI1608H2N7 □	2.7	10	100	9000	0.10	500
HDCI1608H3N3 □	3.3	10	100	8000	0.12	500
HDCI1608H3N9 □	3.9	10	100	7000	0.14	500
HDCI1608H4N7 □	4.7	10	100	5500	0.16	500
HDCI1608H5N6 □	5.6	10	100	4500	0.18	500
HDCI1608H6N8 □	6.8	10	100	4000	0.22	500
HDCI1608H8N2 □	8.2	10	100	3600	0.24	500
HDCI1608H10N □	10	12	100	3400	0.26	300
HDCI1608H12N □	12	12	100	2800	0.30	300
HDCI1608H15N □	15	12	100	2500	0.32	300
HDCI1608H18N □	18	12	100	2100	0.35	300
HDCI1608H22N □	22	12	100	1700	0.40	300
HDCI1608H27N □	27	12	100	1500	0.45	300
HDCI1608H33N □	33	12	100	1300	0.55	300
HDCI1608H39N □	39	12	100	1100	0.60	300
HDCI1608H47N □	47	12	100	1000	0.70	300
HDCI1608H56N □	56	12	100	900	0.75	300
HDCI1608H68N □	68	12	100	700	0.85	300
HDCI1608H82N □	82	12	100	600	0.95	300
HDCI1608HR10 □	100	12	100	600	1.00	300
HDCI1608HR12 □	120	8	50	500	1.30	300
HDCI1608HR15 □	150	8	50	500	1.50	300
HDCI1608HR18 □	180	8	50	400	1.80	300
HDCI1608HR22 □	220	8	50	400	2.10	300
HDCI1608HR27 □	270	8	50	350	2.40	300
HDCI1608HR33 □	330	8	50	350	3.00	300

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Chip Inductor Multilayer Type

HDCI Ceramic Chip Inductor Series 2012 Size

Electrical Characteristics

HDCI2012H Size

HONGDA Part No.	Inductance (nH)	Q Min.	L Test Freq. (MHz)	SRF (MHz) Min.	RDC (Ω) Max.	Ir (mA) Max.
HDCI2012H1N5 □	1.5	10	100	6000	0.10	600
HDCI2012H1N8 □	1.8	10	100	6000	0.10	600
HDCI2012H2N2 □	2.2	10	100	6000	0.10	600
HDCI2012H2N7 □	2.7	12	100	6000	0.10	600
HDCI2012H3N3 □	3.3	12	100	6000	0.13	600
HDCI2012H3N9 □	3.9	12	100	5000	0.15	600
HDCI2012H4N7 □	4.7	12	100	4000	0.20	400
HDCI2012H5N6 □	5.6	15	100	3500	0.23	400
HDCI2012H6N8 □	6.8	15	100	2800	0.25	400
HDCI2012H8N2 □	8.2	15	100	2400	0.28	400
HDCI2012H10N □	10	15	100	2100	0.30	300
HDCI2012H12N □	12	15	100	1900	0.35	300
HDCI2012H15N □	15	15	100	1800	0.40	300
HDCI2012H18N □	18	15	100	1500	0.45	300
HDCI2012H22N □	22	15	100	1400	0.50	300
HDCI2012H27N □	27	15	100	1300	0.55	300
HDCI2012H33N □	33	15	100	1200	0.60	300
HDCI2012H39N □	39	15	100	1000	0.65	300
HDCI2012H47N □	47	15	100	900	0.70	300
HDCI2012H56N □	56	15	100	800	0.75	300
HDCI2012H68N □	68	15	100	700	0.80	300
HDCI2012H82N □	82	15	100	600	0.90	300
HDCI2012HR10 □	100	15	100	600	0.90	300
HDCI2012HR12 □	120	13	100	500	0.95	300
HDCI2012HR15 □	150	13	50	500	1.00	300
HDCI2012HR18 □	180	13	50	400	1.20	300
HDCI2012HR22 □	220	12	50	350	1.40	300
HDCI2012HR27 □	270	12	50	300	1.70	300
HDCI2012HR33 □	330	12	50	250	2.00	300
HDCI2012HR39 □	390	10	50	250	2.50	300
HDCI2012HR47 □	470	10	50	200	2.80	300

Chip Inductor Multilayer Type
HDFI Ferrite Chip Inductor Series
1005/1608/2012 Size

Ordering Information

HDFI 2012 A 47N K T - LF

(1) (2) (3) (4) (5) (6) (7)

(1) Series Name

(2) Product Dimension (L*W mm)

(3) Material Code

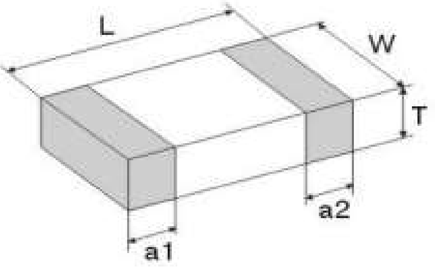
(4) Inductance Value (47N: 0.047uH / R10: 0.1uH / 2R7: 2.7uH / 150: 15uH)

(5) Inductance Tolerance (J: ± 5% / K: ± 10% / M: ± 20%)

(6) Packing Style (T: Taping / B: Bulk)

(7) Lead Free Products

Shape & Dimensions



Size	Dimensions (mm / Inch)			
	L	W	T	a1, a2
1005 [0402]	1.00±0.15 [0.04±0.006]	0.50±0.15 [0.02±0.006]	0.50±0.15 [0.02±0.006]	0.25±0.10 [0.01±0.004]
1608 [0603]	1.60±0.15 [0.063±0.006]	0.80±0.15 [0.031±0.006]	0.80±0.15 [0.031±0.006]	0.30±0.20 [0.012±0.008]
2012 [0805]	2.00±0.20 [0.079±0.008]	1.25±0.20 [0.049±0.008]	0.85±0.20 [0.033±0.008]	0.50±0.30 [0.02±0.012]
2012 [0805]	2.00±0.20 [0.079±0.008]	1.25±0.20 [0.049±0.008]	1.25±0.20 [0.049±0.008]	0.50±0.30 [0.02±0.012]

Chip Inductor Multilayer Type
HDFI Ferrite Chip Inductor Series 1005 Size
Electrical Characteristics
HDFI1005A/C/D Size

HONGDA Part No.	Inductance (uH)	Q Min.	L Test Freq. (MHz)	SRF (MHz) Min.	RDC (Ω) Max.	Ir (mA) Max.
HDFI1005A47N □	0.047	10	50	220	0.45	25
HDFI1005A56N □	0.056	10	50	220	0.45	25
HDFI1005A68N □	0.068	10	50	210	0.45	25
HDFI1005A82N □	0.082	10	50	200	0.45	25
HDFI1005AR10 □	0.1	15	25	200	0.70	25
HDFI1005AR12 □	0.12	15	25	165	0.70	25
HDFI1005AR15 □	0.15	15	25	140	0.90	25
HDFI1005AR18 □	0.18	15	25	120	1.10	25
HDFI1005AR22 □	0.22	15	25	110	1.20	25
HDFI1005AR27 □	0.27	15	25	95	1.20	25
HDFI1005AR33 □	0.33	15	25	85	1.25	18
HDFI1005AR39 □	0.39	15	25	70	1.50	18
HDFI1005AR47 □	0.47	20	25	68	2.00	18
HDFI1005AR56 □	0.56	20	25	55	2.35	18
HDFI1005AR68 □	0.68	20	25	50	2.55	18
HDFI1005AR82 □	0.82	20	25	45	3.15	18
HDFI1005C1R0 □	1	20	10	40	0.90	15
HDFI1005C1R2 □	1.2	20	10	35	1.20	15
HDFI1005C1R5 □	1.5	20	10	30	1.20	15
HDFI1005C1R8 □	1.8	20	10	30	1.45	15
HDFI1005C2R2 □	2.2	20	10	28	1.75	10
HDFI1005C2R7 □	2.7	20	10	22	2.00	10
HDFI1005C3R3 □	3.3	20	10	20	2.35	10
HDFI1005C3R9 □	3.9	20	10	18	2.55	10
HDFI1005C4R7 □	4.7	20	10	15	3.15	10
HDFI1005D5R6 □	5.6	20	4	13	2.35	3
HDFI1005D6R8 □	6.8	20	4	11	2.55	3
HDFI1005D8R2 □	8.2	20	4	10	3.15	3
HDFI1005D100 □	10	20	2	9	3.45	2

Chip Inductor Multilayer Type
HDFI Ferrite Chip Inductor Series 1608 Size

Electrical Characteristics

HDFI1608A/C/D/E Size

HONGDA Part No.	Inductance (uH)	Q Min.	L Test Freq. (MHz)	SRF (MHz) Min.	RDC (Ω) Max.	Ir (mA) Max.
HDFI1608A47N □	0.047	15	50	600	0.20	50
HDFI1608A56N □	0.056	15	50	550	0.30	50
HDFI1608A68N □	0.068	15	50	500	0.30	50
HDFI1608A82N □	0.082	15	50	450	0.30	50
HDFI1608AR10 □	0.1	15	25	400	0.50	50
HDFI1608AR12 □	0.12	15	25	350	0.50	50
HDFI1608AR15 □	0.15	15	25	300	0.60	50
HDFI1608AR18 □	0.18	15	25	280	0.60	50
HDFI1608AR22 □	0.22	15	25	260	0.80	50
HDFI1608AR27 □	0.27	15	25	255	0.80	50
HDFI1608AR33 □	0.33	15	25	250	0.85	35
HDFI1608AR39 □	0.39	15	25	245	1.00	35
HDFI1608AR47 □	0.47	15	25	240	1.35	35
HDFI1608AR56 □	0.56	15	25	205	1.55	35
HDFI1608AR68 □	0.68	15	25	180	1.70	35
HDFI1608AR82 □	0.82	15	25	165	2.10	35
HDFI1608C1R0 □	1	35	10	125	0.60	25
HDFI1608C1R2 □	1.2	35	10	110	0.80	25
HDFI1608C1R5 □	1.5	35	10	105	0.80	25
HDFI1608C1R8 □	1.8	35	10	95	0.95	25
HDFI1608C2R2 □	2.2	35	10	90	1.15	15
HDFI1608C2R7 □	2.7	35	10	80	1.35	15
HDFI1608C3R3 □	3.3	35	10	70	1.55	15
HDFI1608C3R9 □	3.9	35	10	60	1.70	15
HDFI1608C4R7 □	4.7	35	10	50	2.10	15
HDFI1608D5R6 □	5.6	35	4	45	1.55	5
HDFI1608D6R8 □	6.8	35	4	40	1.70	5
HDFI1608D8R2 □	8.2	35	4	35	2.10	4
HDFI1608D100 □	10	35	2	33	2.55	3
HDFI1608D120 □	12	35	2	22	2.75	3

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Chip Inductor Multilayer Type
HDFI Ferrite Chip Inductor Series 1608 Size

Electrical Characteristics

HDFI1608A/C/D/E Size

HONGDA Part No.	Inductance (uH)	Q Min.	L Test Freq. (MHz)	SRF (MHz) Min.	RDC (Ω) Max.	Ir (mA) Max.
HDFI1608E150 □	15	20	1	20	1.70	1
HDFI1608E180 □	18	20	1	18	1.85	1
HDFI1608E220 □	22	20	1	15	2.10	1
HDFI1608E270 □	27	20	1	12	2.75	1
HDFI1608E330 □	33	20	1	10	2.95	1

Chip Inductor Multilayer Type

HDFI Ferrite Chip Inductor Series 2012 Size

Electrical Characteristics

HDFI2012A/C/D/E Size

HONGDA Part No.	Inductance (uH)	Q Min.	L Test Freq. (MHz)	SRF (MHz) Min.	RDC (Ω) Max.	Ir (mA) Max.
HDFI2012A47N □	0.047	15	50	350	0.20	300
HDFI2012A56N □	0.056	15	50	350	0.20	300
HDFI2012A68N □	0.068	15	50	280	0.20	300
HDFI2012A82N □	0.082	15	50	255	0.20	300
HDFI2012AR10 □	0.1	20	25	235	0.30	250
HDFI2012AR12 □	0.12	20	25	220	0.30	250
HDFI2012AR15 □	0.15	20	25	200	0.40	250
HDFI2012AR18 □	0.18	20	25	185	0.40	250
HDFI2012AR22 □	0.22	20	25	170	0.50	250
HDFI2012AR27 □	0.27	20	25	150	0.50	250
HDFI2012AR33 □	0.33	20	25	145	0.55	250
HDFI2012AR39 □	0.39	25	25	135	0.65	200
HDFI2012AR47 □	0.47	25	25	125	0.65	200
HDFI2012AR56 □	0.56	25	25	115	0.75	150
HDFI2012AR68 □	0.68	25	25	105	0.80	150
HDFI2012AR82 □	0.82	25	25	100	1.00	150
HDFI2012C1R0 □	1	45	10	75	0.40	50
HDFI2012C1R2 □	1.2	45	10	65	0.50	50
HDFI2012C1R5 □	1.5	45	10	60	0.50	50
HDFI2012C1R8 □	1.8	45	10	55	0.60	50
HDFI2012C2R2 □	2.2	45	10	50	0.65	30
HDFI2012C2R7 □	2.7	45	10	45	0.75	30
HDFI2012C3R3 □	3.3	45	10	41	0.80	30
HDFI2012C3R9 □	3.9	50	10	38	0.90	30
HDFI2012C4R7 □	4.7	50	10	35	1.00	30
HDFI2012D5R6 □	5.6	50	4	32	0.90	15
HDFI2012D6R8 □	6.8	50	4	29	1.00	15
HDFI2012D8R2 □	8.2	50	4	26	1.10	15
HDFI2012D100 □	10	50	2	24	1.15	15
HDFI2012D120 □	12	50	2	22	1.25	15

Chip Inductor Multilayer Type

HDFI Ferrite Chip Inductor Series 2012 Size

Electrical Characteristics

HDFI2012A/C/D/E Size

HONGDA Part No.	Inductance (uH)	Q Min.	L Test Freq. (MHz)	SRF (MHz) Min.	RDC (Ω) Max.	Ir (mA) Max.
HDFI2012E150 □	15	30	1	19	0.80	5
HDFI2012E180 □	18	30	1	18	0.90	5
HDFI2012E220 □	22	30	1	16	1.10	5
HDFI2012E270 □	27	25	1	14	1.15	5
HDFI2012E330 □	33	25	1	13	1.25	5
HDFI2012E390 □	39	25	1	13	1.50	4
HDFI2012E470 □	47	25	1	12	1.80	4
HDFI2012E560 □	56	25	1	11	2.20	4
HDFI2012E680 □	68	25	1	10	2.20	2
HDFI2012E820 □	82	25	1	9	2.50	2
HDFI2012E101 □	100	25	1	8	2.50	2

Chip Inductor

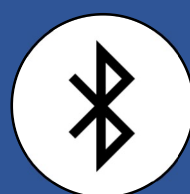
Precision Winding (High Q) Type

Compact Size • High Q & SRF • Low DCR

MOBILE PHONE

PDA

SMART WATCH



BLUETOOTH

RF EQUIPMENT

NOTE BOOK

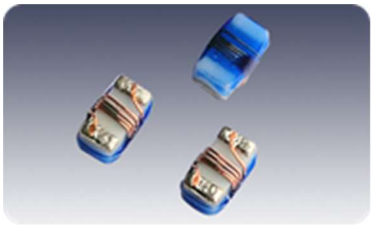
DIGITAL CAMERA

HEADPHONE

Chip Inductor Precision Winding (High Q) Type

HDTC Ceramic High Q Series

0402(1005)/(0603)1608/(0805)2012 Size



Ordering Information

HDTC 0402 C 10N J S T

(1) (2) (3) (4) (5) (6) (7)

(1) Series Name

(2) Product Dimension (L*W Inch)

(3) Features

(4) Inductance Value (1N0: 1.0nH / 10N: 10nH / R10: 100nH)

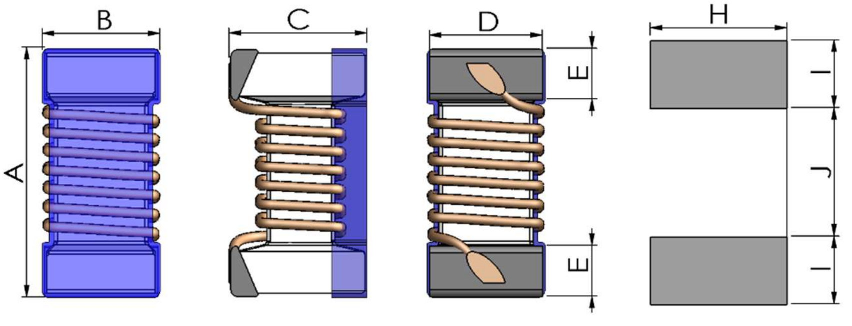
(5) Inductance Tolerance

Code	B	C	S	D	G	H	J	K
Tolerance	±0.1nH	±0.2nH	±0.3nH	±0.5nH	±2%	±3%	±5%	±10%

(6) Termination Materials (S: Sn)

(7) Packing Style (T: Taping / B: Bulk)

Shape & Dimensions



Series	Dimensions (mm)							
	A	B	C	D	E	H	I	J
HDTC0402C/HP	1.19 Max.	0.64 Max.	0.66 Max.	0.5±0.1	0.2±0.1	0.66 Typ.	0.35 Typ.	0.50 Typ.
HDTC0402H/P	1.1±0.1	0.6±0.1	0.6±0.1	0.5±0.1	0.2±0.1	0.66 Typ.	0.35 Typ.	0.50 Typ.
HDTC0603	1.8 Max.	1.12 Max.	1.02 Max.	0.8 Typ.	0.3±0.1	1.02 Typ.	0.64 Typ.	0.64 Typ.
HDTC0805	2.3 Max.	1.73 Max.	1.52 Max.	1.27 Typ.	0.4 ±0.1	1.78 Typ.	0.76 Typ.	1.02 Typ.

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Chip Inductor Precision Winding (High Q) Type
HDTC High Q Series 0402(1005) Size

Electrical Characteristics
HDTC0402C Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402C1N0_ST	1.0	250	20	250	0.045	1360	12.70
HDTC0402C1N2_ST	1.2	250	15	250	0.090	740	12.90
HDTC0402C1N8_ST	1.8	250	20	250	0.070	1040	12.00
HDTC0402C1N9_ST	1.9	250	20	250	0.070	1040	11.30
HDTC0402C2N0_ST	2.0	250	23	250	0.070	1040	11.00
HDTC0402C2N2_ST	2.2	250	22	250	0.070	960	10.80
HDTC0402C2N4_ST	2.4	250	22	250	0.068	790	10.50
HDTC0402C2N7_ST	2.7	250	24	250	0.120	640	10.40
HDTC0402C3N0_ST	3.0	250	24	250	0.066	840	7.00
HDTC0402C3N3_ST	3.3	250	24	250	0.066	840	7.00
HDTC0402C3N6_ST	3.6	250	24	250	0.066	840	6.80
HDTC0402C3N9_ST	3.9	250	24	250	0.066	840	6.00
HDTC0402C4N3_ST	4.3	250	22	250	0.091	700	6.00
HDTC0402C4N7_ST	4.7	250	20	250	0.130	640	4.77
HDTC0402C5N1_ST	5.1	250	23	250	0.083	800	4.80
HDTC0402C5N6_ST	5.6	250	25	250	0.083	760	5.80
HDTC0402C6N2_ST	6.2	250	25	250	0.083	760	4.80
HDTC0402C6N8_ST	6.8	250	24	250	0.083	680	4.80
HDTC0402C7N5_ST	7.5	250	25	250	0.100	680	4.80
HDTC0402C8N2_ST	8.2	250	25	250	0.100	680	4.40
HDTC0402C8N7_ST	8.7	250	25	250	0.200	480	4.10
HDTC0402C9N0_ST	9.0	250	25	250	0.100	680	4.16
HDTC0402C9N5_ST	9.5	250	25	250	0.200	480	4.00
HDTC0402C10N_ST	10	250	24	250	0.200	480	3.90
HDTC0402C11N_ST	11	250	26	250	0.120	640	3.68
HDTC0402C12N_ST	12	250	26	250	0.120	640	3.60
HDTC0402C13N_ST	13	250	24	250	0.210	440	3.45
HDTC0402C15N_ST	15	250	26	250	0.170	560	3.28
HDTC0402C16N_ST	16	250	25	250	0.220	560	3.10
HDTC0402C18N_ST	18	250	25	250	0.23	420	3.10

Chip Inductor Precision Winding (High Q) Type

HDTC High Q Series 0402(1005) Size

Electrical Characteristics

HDTC0402C Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402C19N_ST	19	250	25	250	0.20	480	3.04
HDTC0402C20N_ST	20	250	26	250	0.250	420	3.00
HDTC0402C22N_ST	22	250	25	250	0.300	400	2.80
HDTC0402C23N_ST	23	250	28	250	0.300	400	2.72
HDTC0402C24N_ST	24	250	28	250	0.300	400	2.70
HDTC0402C27N_ST	27	250	28	250	0.300	400	2.48
HDTC0402C30N_ST	30	250	24	250	0.300	400	2.35
HDTC0402C33N_ST	33	250	24	250	0.300	400	2.35
HDTC0402C36N_ST	36	250	24	250	0.440	320	2.32
HDTC0402C39N_ST	39	250	26	250	0.550	200	2.10
HDTC0402C40N_ST	40	250	24	250	0.440	320	2.24
HDTC0402C43N_ST	43	250	25	250	0.810	100	2.03
HDTC0402C47N_ST	47	250	25	250	0.830	150	2.10
HDTC0402C51N_ST	51	250	25	250	0.820	100	1.75
HDTC0402C56N_ST	56	250	25	250	0.970	100	1.76
HDTC0402C68N_ST	68	250	24	250	1.120	100	1.62
HDTC0402C82N_ST	82	250	25	250	1.550	50	1.26
HDTC0402CR10_ST	100	250	24	250	2.000	30	1.16
HDTC0402CR12_ST	120	250	24	250	2.200	50	1.10

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Chip Inductor Precision Winding (High Q) Type

HDTC High Q Series 0402(1005) Size

Electrical Characteristics

HDTC0402H Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402H1N5_ST	1.5	100	10	250	0.03	1000	18.0
HDTC0402H1N6_ST	1.6	100	10	250	0.07	750	17.0
HDTC0402H1N7_ST	1.7	100	10	250	0.10	640	17.0
HDTC0402H1N8_ST	1.8	100	10	250	0.16	460	16.0
HDTC0402H2N4_ST	2.4	100	20	250	0.05	850	15.0
HDTC0402H2N5_ST	2.5	100	20	250	0.05	850	15.0
HDTC0402H2N6_ST	2.6	100	20	250	0.05	850	15.0
HDTC0402H2N7_ST	2.7	100	20	250	0.05	850	15.0
HDTC0402H2N8_ST	2.8	100	20	250	0.05	850	15.0
HDTC0402H2N9_ST	2.9	100	20	250	0.07	750	15.0
HDTC0402H3N0_ST	3.0	100	20	250	0.07	750	15.0
HDTC0402H3N1_ST	3.1	100	20	250	0.13	570	14.0
HDTC0402H3N2_ST	3.2	100	15	250	0.17	500	14.0
HDTC0402H3N9_ST	3.9	100	25	250	0.07	750	10.0
HDTC0402H4N1_ST	4.1	100	25	250	0.07	750	10.0
HDTC0402H4N3_ST	4.3	100	25	250	0.07	750	10.0
HDTC0402H4N4_ST	4.4	100	25	250	0.07	750	8.0
HDTC0402H4N5_ST	4.5	100	25	250	0.07	750	8.0
HDTC0402H4N6_ST	4.6	100	25	250	0.07	750	8.0
HDTC0402H4N7_ST	4.7	100	25	250	0.07	750	8.0
HDTC0402H4N8_ST	4.8	100	25	250	0.07	750	8.0
HDTC0402H4N9_ST	4.9	100	25	250	0.12	600	8.0
HDTC0402H5N0_ST	5.0	100	25	250	0.12	600	8.0
HDTC0402H5N1_ST	5.1	100	25	250	0.12	600	8.0
HDTC0402H5N8_ST	5.8	100	25	250	0.09	700	8.0
HDTC0402H6N2_ST	6.2	100	25	250	0.09	700	8.0
HDTC0402H6N3_ST	6.3	100	25	250	0.09	700	6.0
HDTC0402H6N4_ST	6.4	100	25	250	0.09	700	6.0
HDTC0402H6N5_ST	6.5	100	25	250	0.09	700	6.0
HDTC0402H6N6_ST	6.6	100	25	250	0.09	700	6.0

Chip Inductor Precision Winding (High Q) Type
HDTC High Q Series 0402(1005) Size

Electrical Characteristics

HDTC0402H Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402H6N7_ST	6.7	100	25	250	0.09	700	6.0
HDTC0402H6N8_ST	6.8	100	25	250	0.09	700	6.0
HDTC0402H6N9_ST	6.9	100	25	250	0.13	570	6.0
HDTC0402H7N0_ST	7.0	100	25	250	0.13	570	6.0
HDTC0402H7N1_ST	7.1	100	25	250	0.13	570	6.0
HDTC0402H7N2_ST	7.2	100	25	250	0.13	570	6.0
HDTC0402H7N3_ST	7.3	100	25	250	0.13	570	6.0
HDTC0402H7N5_ST	7.5	100	25	250	0.13	570	6.0
HDTC0402H8N2_ST	8.2	100	25	250	0.14	540	5.5
HDTC0402H8N6_ST	8.6	100	25	250	0.14	540	5.5
HDTC0402H8N7_ST	8.7	100	25	250	0.14	540	5.5
HDTC0402H8N8_ST	8.8	100	25	250	0.14	540	5.5
HDTC0402H8N9_ST	8.9	100	25	250	0.14	540	5.5
HDTC0402H9N0_ST	9.0	100	25	250	0.14	540	5.5
HDTC0402H9N1_ST	9.1	100	25	250	0.14	540	5.5
HDTC0402H9N2_ST	9.2	100	25	250	0.14	540	5.5
HDTC0402H9N3_ST	9.3	100	25	250	0.14	540	5.5
HDTC0402H9N4_ST	9.4	100	25	250	0.14	540	5.5
HDTC0402H9N5_ST	9.5	100	25	250	0.14	540	5.5
HDTC0402H9N6_ST	9.6	100	25	250	0.14	540	5.5
HDTC0402H9N7_ST	9.7	100	25	250	0.14	540	5.5
HDTC0402H9N8_ST	9.8	100	25	250	0.14	540	5.5
HDTC0402H9N9_ST	9.9	100	25	250	0.14	540	5.5
HDTC0402H10N_ST	10	100	25	250	0.17	500	5.5
HDTC0402H11N_ST	11	100	30	250	0.14	500	5.5
HDTC0402H12N_ST	12	100	30	250	0.14	500	5.5
HDTC0402H13N_ST	13	100	25	250	0.21	430	5.0
HDTC0402H15N_ST	15	100	30	250	0.16	460	5.0
HDTC0402H16N_ST	16	100	25	250	0.24	370	4.5
HDTC0402H18N_ST	18	100	25	250	0.27	370	4.5

Chip Inductor Precision Winding (High Q) Type

HDTC High Q Series 0402(1005) Size

Electrical Characteristics

HDTC0402H Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402H19N_ST	19	100	25	250	0.27	370	4.5
HDTC0402H20N_ST	20	100	25	250	0.27	370	4.0
HDTC0402H22N_ST	22	100	25	250	0.30	310	4.0
HDTC0402H23N_ST	23	100	25	250	0.30	310	3.8
HDTC0402H24N_ST	24	100	25	250	0.52	280	3.5
HDTC0402H27N_ST	27	100	25	250	0.52	280	3.5
HDTC0402H30N_ST	30	100	25	250	0.58	270	3.3
HDTC0402H33N_ST	33	100	25	250	0.63	260	3.2
HDTC0402H36N_ST	36	100	25	250	0.63	260	3.1
HDTC0402H39N_ST	39	100	25	250	0.70	250	3.0
HDTC0402H40N_ST	40	100	25	250	0.70	250	3.0
HDTC0402H43N_ST	43	100	25	250	0.70	250	3.0
HDTC0402H47N_ST	47	100	25	250	1.08	210	2.9
HDTC0402H51N_ST	51	100	25	250	1.08	210	2.85
HDTC0402H56N_ST	56	100	25	250	1.17	200	2.8
HDTC0402H62N_ST	62	100	20	250	1.82	145	2.6
HDTC0402H68N_ST	68	100	20	250	1.96	140	2.5
HDTC0402H72N_ST	72	100	20	250	2.10	135	2.5
HDTC0402H75N_ST	75	100	20	250	2.10	135	2.4
HDTC0402H82N_ST	82	100	20	250	2.24	130	2.3
HDTC0402H91N_ST	91	100	20	250	2.38	125	2.1
HDTC0402HR10_ST	100	100	20	250	2.52	120	1.5
HDTC0402HR12_ST	120	100	20	250	2.66	110	1.0

Chip Inductor Precision Winding (High Q) Type
HDTC High Q Series 0402(1005) Size
Electrical Characteristics

HDTC0402P Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402P1N3_ST	1.3	100	20	250	0.012	3150	18.0
HDTC0402P1N5_ST	1.5	100	20	250	0.028	2100	18.0
HDTC0402P1N6_ST	1.6	100	20	250	0.045	1450	18.0
HDTC0402P1N7_ST	1.7	100	20	250	0.065	1150	18.0
HDTC0402P2N2_ST	2.2	100	30	250	0.022	2530	15.5
HDTC0402P2N3_ST	2.3	100	30	250	0.022	2530	15.5
HDTC0402P2N4_ST	2.4	100	30	250	0.022	2530	15.5
HDTC0402P2N5_ST	2.5	100	30	250	0.030	2100	15.5
HDTC0402P2N6_ST	2.6	100	30	250	0.035	1950	14.5
HDTC0402P2N7_ST	2.7	100	28	250	0.047	1500	14.0
HDTC0402P2N8_ST	2.8	100	27	250	0.047	1500	13.5
HDTC0402P2N9_ST	2.9	100	25	250	0.047	1500	12.5
HDTC0402P3N0_ST	3.0	100	20	250	0.063	1350	12.5
HDTC0402P3N3_ST	3.3	100	30	250	0.030	2000	14.0
HDTC0402P3N4_ST	3.4	100	30	250	0.030	1950	10.0
HDTC0402P3N5_ST	3.5	100	30	250	0.030	1950	10.0
HDTC0402P3N6_ST	3.6	100	30	250	0.030	1950	10.0
HDTC0402P3N7_ST	3.7	100	35	250	0.030	1950	10.0
HDTC0402P3N8_ST	3.8	100	35	250	0.030	1950	10.0
HDTC0402P3N9_ST	3.9	100	35	250	0.030	1950	10.0
HDTC0402P4N0_ST	4.0	100	30	250	0.030	1950	10.0
HDTC0402P4N1_ST	4.1	100	30	250	0.044	1800	9.6
HDTC0402P4N2_ST	4.2	100	30	250	0.044	1800	9.6
HDTC0402P4N3_ST	4.3	100	32	250	0.044	1800	9.6
HDTC0402P4N4_ST	4.4	100	34	250	0.052	1600	9.6
HDTC0402P4N5_ST	4.5	100	34	250	0.060	1450	9.6
HDTC0402P4N6_ST	4.6	100	32	250	0.060	1450	9.6
HDTC0402P4N7_ST	4.7	100	31	250	0.071	1200	8.0
HDTC0402P4N8_ST	4.8	100	30	250	0.071	1200	8.0
HDTC0402P4N9_ST	4.9	100	27	250	0.071	1200	8.0

Chip Inductor Precision Winding (High Q) Type

HDTC High Q Series 0402(1005) Size

Electrical Characteristics

HDTC0402P Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402P5N0_ST	5.0	100	32	250	0.040	1770	10.0
HDTC0402P5N1_ST	5.1	100	35	250	0.040	1770	8.0
HDTC0402P5N2_ST	5.2	100	35	250	0.040	1770	8.0
HDTC0402P5N3_ST	5.3	100	35	250	0.040	1770	8.0
HDTC0402P5N4_ST	5.4	100	35	250	0.040	1770	8.0
HDTC0402P5N5_ST	5.5	100	35	250	0.040	1770	8.0
HDTC0402P5N6_ST	5.6	100	35	250	0.040	1770	8.0
HDTC0402P5N7_ST	5.7	100	30	250	0.040	1770	8.0
HDTC0402P5N8_ST	5.8	100	30	250	0.040	1770	8.0
HDTC0402P5N9_ST	5.9	100	30	250	0.040	1770	8.0
HDTC0402P6N0_ST	6.0	100	32	250	0.056	1600	8.0
HDTC0402P6N1_ST	6.1	100	32	250	0.056	1600	8.0
HDTC0402P6N2_ST	6.2	100	33	250	0.056	1600	8.0
HDTC0402P6N3_ST	6.3	100	32	250	0.057	1600	7.8
HDTC0402P6N4_ST	6.4	100	33	250	0.065	1380	7.0
HDTC0402P6N5_ST	6.5	100	32	250	0.065	1380	7.0
HDTC0402P6N6_ST	6.6	100	30	250	0.078	1280	7.0
HDTC0402P6N7_ST	6.7	100	30	250	0.078	1280	7.0
HDTC0402P6N8_ST	6.8	100	30	250	0.068	1450	7.0
HDTC0402P6N9_ST	6.9	100	32	250	0.069	1420	8.5
HDTC0402P7N0_ST	7.0	100	33	250	0.069	1420	8.0
HDTC0402P7N1_ST	7.1	100	32	250	0.069	1420	7.0
HDTC0402P7N2_ST	7.2	100	32	250	0.050	1700	7.0
HDTC0402P7N3_ST	7.3	100	32	250	0.050	1700	7.0
HDTC0402P7N4_ST	7.4	100	30	250	0.050	1700	7.0
HDTC0402P7N5_ST	7.5	100	35	250	0.050	1700	7.0
HDTC0402P7N6_ST	7.6	100	30	250	0.050	1700	7.0
HDTC0402P7N7_ST	7.7	100	30	250	0.050	1700	7.0
HDTC0402P7N8_ST	7.8	100	30	250	0.050	1700	7.0
HDTC0402P7N9_ST	7.9	100	30	250	0.050	1700	7.0

Chip Inductor Precision Winding (High Q) Type

HDTC High Q Series 0402(1005) Size

Electrical Characteristics

HDTC0402P Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402P8N0_ST	8.0	100	30	250	0.050	1700	7.0
HDTC0402P8N1_ST	8.1	100	32	250	0.069	1500	6.5
HDTC0402P8N2_ST	8.2	100	32	250	0.069	1500	6.5
HDTC0402P8N3_ST	8.3	100	32	250	0.069	1500	6.5
HDTC0402P8N4_ST	8.4	100	32	250	0.069	1500	6.5
HDTC0402P8N5_ST	8.5	100	32	250	0.069	1500	6.5
HDTC0402P8N6_ST	8.6	100	31	250	0.070	1420	6.5
HDTC0402P8N7_ST	8.7	100	31	250	0.070	1420	6.5
HDTC0402P8N8_ST	8.8	100	31	250	0.070	1420	6.5
HDTC0402P8N9_ST	8.9	100	31	250	0.070	1420	6.5
HDTC0402P9N0_ST	9.0	100	30	250	0.070	1500	6.5
HDTC0402P9N1_ST	9.1	100	32	250	0.080	1400	6.5
HDTC0402P9N2_ST	9.2	100	32	250	0.081	1400	6.0
HDTC0402P9N3_ST	9.3	100	34	250	0.081	1400	6.0
HDTC0402P9N4_ST	9.4	100	33	250	0.081	1400	6.0
HDTC0402P9N5_ST	9.5	100	32	250	0.081	1400	6.0
HDTC0402P9N6_ST	9.6	100	33	250	0.081	1400	6.0
HDTC0402P9N7_ST	9.7	100	33	250	0.081	1400	6.0
HDTC0402P9N8_ST	9.8	100	34	250	0.081	1400	6.0
HDTC0402P9N9_ST	9.9	100	32	250	0.081	1400	6.0
HDTC0402P10N_ST	10	100	31	250	0.081	1400	6.0
HDTC0402P12N_ST	12	100	30	250	0.093	1240	5.2
HDTC0402P13N_ST	13	100	30	250	0.093	1240	5.2
HDTC0402P14N_ST	14	100	31	250	0.111	1150	5.2
HDTC0402P15N_ST	15	100	31	250	0.114	1150	5.5
HDTC0402P16N_ST	16	100	31	250	0.126	1000	5.0
HDTC0402P17N_ST	17	100	31	250	0.126	1000	5.0
HDTC0402P18N_ST	18	100	30	250	0.130	1050	5.2
HDTC0402P19N_ST	19	100	30	250	0.156	920	5.0
HDTC0402P20N_ST	20	100	30	250	0.186	800	4.5

Chip Inductor Precision Winding (High Q) Type

HDTC High Q Series 0402(1005) Size

Electrical Characteristics

HDTC0402P Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402P21N_ST	21	100	30	250	0.202	780	4.5
HDTC0402P22N_ST	22	100	30	250	0.202	780	4.5
HDTC0402P23N_ST	23	100	29	250	0.201	760	4.5
HDTC0402P24N_ST	24	100	31	250	0.212	770	4.0
HDTC0402P25N_ST	25	100	31	250	0.221	750	4.1
HDTC0402P26N_ST	26	100	29	250	0.282	720	4.1
HDTC0402P27N_ST	27	100	30	250	0.288	680	4.0
HDTC0402P30N_ST	30	100	30	250	0.309	660	3.8
HDTC0402P33N_ST	33	100	30	250	0.336	620	3.6
HDTC0402P36N_ST	36	100	30	250	0.431	540	3.5
HDTC0402P39N_ST	39	100	28	250	0.456	530	3.4
HDTC0402P43N_ST	43	100	30	250	0.516	515	3.4
HDTC0402P47N_ST	47	100	25	250	0.648	440	3.2
HDTC0402P51N_ST	51	100	25	250	0.696	415	2.9
HDTC0402P53N_ST	53	100	25	250	0.696	415	2.9
HDTC0402P56N_ST	56	100	25	250	0.996	340	2.9
HDTC0402P68N_ST	68	100	25	250	1.128	320	2.5
HDTC0402P75N_ST	75	100	25	250	1.224	320	2.4

Chip Inductor Precision Winding (High Q) Type
HDTC High Q Series 0402(1005) Size
Electrical Characteristics

HDTC0402HP Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402HP1N0_ST	1.0	250	20	250	0.030	2300	16.0
HDTC0402HP2N0_ST	2.0	250	24	250	0.038	2100	15.2
HDTC0402HP2N2_ST	2.2	250	25	250	0.038	2100	15.1
HDTC0402HP2N4_ST	2.4	250	23	250	0.042	2000	14.0
HDTC0402HP2N7_ST	2.7	250	24	250	0.085	1500	13.0
HDTC0402HP3N3_ST	3.3	250	28	250	0.045	1700	12.8
HDTC0402HP3N6_ST	3.6	250	28	250	0.045	1700	11.7
HDTC0402HP3N9_ST	3.9	250	28	250	0.045	1700	9.50
HDTC0402HP4N3_ST	4.3	250	27	250	0.050	1600	7.15
HDTC0402HP4N7_ST	4.7	250	23	250	0.075	1500	6.85
HDTC0402HP5N1_ST	5.1	250	20	250	0.125	1200	6.80
HDTC0402HP5N6_ST	5.6	250	29	250	0.055	1600	6.50
HDTC0402HP6N2_ST	6.2	250	29	250	0.055	1600	5.80
HDTC0402HP6N8_ST	6.8	250	28	250	0.070	1500	5.80
HDTC0402HP7N5_ST	7.5	250	26	250	0.100	1400	5.40
HDTC0402HP8N2_ST	8.2	250	28	250	0.065	1500	5.40
HDTC0402HP8N7_ST	8.7	250	29	250	0.070	1500	5.00
HDTC0402HP9N0_ST	9.0	250	27	250	0.080	1400	5.00
HDTC0402HP9N5_ST	9.5	250	28	250	0.090	1400	4.70
HDTC0402HP10N_ST	10	250	26	250	0.110	1300	4.70
HDTC0402HP11N_ST	11	250	29	250	0.065	1400	4.70
HDTC0402HP12N_ST	12	250	28	250	0.100	1200	4.40
HDTC0402HP13N_ST	13	250	27	250	0.155	870	4.20
HDTC0402HP15N_ST	15	250	28	250	0.115	1100	3.90
HDTC0402HP16N_ST	16	250	27	250	0.150	850	3.70
HDTC0402HP17N_ST	17	250	26	250	0.230	650	3.70
HDTC0402HP18N_ST	18	250	26	250	0.120	900	3.55
HDTC0402HP19N_ST	19	250	26	250	0.145	850	3.50
HDTC0402HP20N_ST	20	250	27	250	0.185	780	3.50
HDTC0402HP21N_ST	21	250	25	250	0.460	450	1.70

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Chip Inductor Precision Winding (High Q) Type

HDTC High Q Series 0402(1005) Size

Electrical Characteristics

HDTC0402HP Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0402HP22N_ST	22	250	28	250	0.160	800	3.30
HDTC0402HP23N_ST	23	250	28	250	0.160	800	3.30
HDTC0402HP24N_ST	24	250	27	250	0.210	700	3.15
HDTC0402HP25N_ST	25	250	26	250	0.260	700	3.15
HDTC0402HP26N_ST	26	250	27	250	0.290	700	3.15
HDTC0402HP27N_ST	27	250	27	250	0.350	450	3.20
HDTC0402HP30N_ST	30	250	25	250	0.350	450	2.90
HDTC0402HP33N_ST	33	250	28	250	0.330	490	2.80
HDTC0402HP36N_ST	36	250	26	250	0.390	480	2.80
HDTC0402HP37N_ST	37	250	26	250	0.480	470	2.70
HDTC0402HP39N_ST	39	250	28	250	0.430	450	2.60
HDTC0402HP40N_ST	40	250	28	250	0.430	450	2.60
HDTC0402HP43N_ST	43	250	26	250	0.520	450	2.50
HDTC0402HP47N_ST	47	250	28	250	0.580	420	2.40
HDTC0402HP51N_ST	51	250	26	250	0.700	360	2.30
HDTC0402HP56N_ST	56	250	31	250	0.900	330	2.07
HDTC0402HP68N_ST	68	250	31	250	1.00	320	1.84
HDTC0402HP82N_ST	82	250	31	250	1.10	315	1.75
HDTC0402HPR10_ST	100	250	30	250	1.20	310	1.58
HDTC0402HPR12_ST	120	250	29	250	1.20	310	1.25
HDTC0402HPR15_ST	150	100	29	250	2.0	240	1.14
HDTC0402HPR16_ST	160	100	29	250	2.0	240	1.65
HDTC0402HPR18_ST	180	100	32	250	2.1	240	1.08
HDTC0402HPR22_ST	220	100	32	250	3.1	160	0.96

Chip Inductor Precision Winding (High Q) Type

HDTC High Q Series 0603(1608) Size

Electrical Characteristics

HDTC0603C Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0603C1N6_ST	1.6	250	24	250	0.030	700	12.50
HDTC0603C1N8_ST	1.8	250	16	250	0.045	700	12.50
HDTC0603C2N2_ST	2.2	250	13	250	0.250	100	12.50
HDTC0603C3N3_ST	3.3	250	35	250	0.045	700	5.90
HDTC0603C3N6_ST	3.6	250	22	250	0.063	700	5.90
HDTC0603C3N9_ST	3.9	250	22	250	0.080	700	6.90
HDTC0603C4N3_ST	4.3	250	22	250	0.063	700	5.90
HDTC0603C4N7_ST	4.7	250	20	250	0.116	700	5.80
HDTC0603C5N1_ST	5.1	250	20	250	0.140	700	5.70
HDTC0603C5N6_ST	5.6	250	26	250	0.075	700	4.76
HDTC0603C6N8_ST	6.8	250	27	250	0.110	700	5.80
HDTC0603C7N5_ST	7.5	250	28	250	0.106	700	4.80
HDTC0603C8N2_ST	8.2	250	30	250	0.115	700	4.20
HDTC0603C8N7_ST	8.7	250	28	250	0.109	700	4.60
HDTC0603C9N5_ST	9.5	250	28	250	0.135	700	5.40
HDTC0603C10N_ST	10	250	31	250	0.130	700	4.80
HDTC0603C11N_ST	11	250	30	250	0.130	700	4.00
HDTC0603C12N_ST	12	250	35	250	0.130	700	4.00
HDTC0603C15N_ST	15	250	35	250	0.170	700	4.00
HDTC0603C16N_ST	16	250	34	250	0.170	700	3.30
HDTC0603C18N_ST	18	250	35	250	0.170	700	3.10
HDTC0603C22N_ST	22	250	38	250	0.190	700	3.00
HDTC0603C23N_ST	23	250	38	250	0.190	700	2.85
HDTC0603C24N_ST	24	250	36	250	0.190	700	2.65
HDTC0603C27N_ST	27	250	40	250	0.220	600	2.80
HDTC0603C30N_ST	30	250	37	250	0.220	600	2.25
HDTC0603C33N_ST	33	250	40	250	0.220	600	2.30
HDTC0603C36N_ST	36	250	37	250	0.250	600	2.08
HDTC0603C39N_ST	39	250	40	250	0.250	600	2.20
HDTC0603C43N_ST	43	250	38	250	0.280	600	2.00
HDTC0603C47N_ST	47	200	38	200	0.280	600	2.00

Chip Inductor Precision Winding (High Q) Type

HDTC High Q Series 0603(1608) Size

Electrical Characteristics

HDTC0603C Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0603C51N_ST	51	200	35	200	0.270	600	1.90
HDTC0603C56N_ST	56	200	38	200	0.310	600	1.90
HDTC0603C68N_ST	68	200	37	200	0.340	600	1.70
HDTC0603C72N_ST	72	150	34	150	0.490	400	1.70
HDTC0603C82N_ST	82	150	34	150	0.540	400	1.70
HDTC0603CR10_ST	100	150	34	150	0.580	400	1.40
HDTC0603CR12_ST	120	150	32	150	0.650	300	1.30
HDTC0603CR15_ST	150	150	28	150	0.920	280	0.99
HDTC0603CR18_ST	180	100	25	100	1.250	240	0.99
HDTC0603CR20_ST	200	100	25	100	1.980	200	0.90
HDTC0603CR22_ST	220	100	25	100	2.100	200	0.90
HDTC0603CR25_ST	250	100	25	100	3.550	120	0.822
HDTC0603CR27_ST	270	100	26	100	2.160	170	0.83
HDTC0603CR33_ST	330	100	25	100	3.890	100	0.90
HDTC0603CR39_ST	390	100	25	100	4.350	100	0.78

Chip Inductor Precision Winding (High Q) Type

HDTC High Q Series 0805(2012) Size

Electrical Characteristics

HDTC0805CW Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC(Ω) Max.	Ir (mA) Max.	SRF (GHz) Min.
HDTC0805CW3R3_ST	3.3	250	50	1500	0.08	600	7900
HDTC0805CW5R6_ST	5.6	250	65	1000	0.08	600	5500
HDTC0805CW6R8_ST	6.8	250	50	1000	0.11	600	5500
HDTC0805CW8R2_ST	8.2	250	50	1000	0.12	600	4700
HDTC0805CW100_ST	10	250	60	500	0.10	600	4200
HDTC0805CW120_ST	12	250	50	500	0.15	600	4000
HDTC0805CW150_ST	15	250	50	500	0.17	600	3400
HDTC0805CW180_ST	18	250	50	500	0.20	600	3300
HDTC0805CW220_ST	22	250	55	500	0.22	600	2600
HDTC0805CW270_ST	27	250	55	500	0.25	500	2500
HDTC0805CW330_ST	33	250	60	500	0.27	500	2050
HDTC0805CW390_ST	39	250	60	500	0.29	500	2000
HDTC0805CW470_ST	47	200	60	500	0.31	500	1650
HDTC0805CW560_ST	56	200	60	500	0.34	500	1550
HDTC0805CW680_ST	68	200	60	500	0.38	500	1450
HDTC0805CW820_ST	82	150	65	500	0.42	400	1300
HDTC0805CW121_ST	120	150	50	250	0.51	400	1100
HDTC0805CW151_ST	150	100	50	250	0.56	400	920
HDTC0805CW181_ST	180	100	50	250	0.64	400	870
HDTC0805CW221_ST	220	100	50	250	0.70	400	850
HDTC0805CW271_ST	270	100	48	250	1.00	350	650
HDTC0805CW331_ST	330	100	48	250	1.4	310	600
HDTC0805CW391_ST	390	100	48	250	1.5	290	560
HDTC0805CW471_ST	470	50	33	100	1.76	250	380
HDTC0805CW561_ST	560	25	23	50	1.90	230	340
HDTC0805CW681_ST	680	25	23	50	2.20	190	188
HDTC0805CW821_ST	820	25	23	50	2.35	180	215
HDTC0805CW102_ST	1000	25	20	50	2.5	170	220

Chip Inductor Precision Winding (High Q) Type

HTF Ferrite High Q Series
0402/0603/0805/1008/1210 Size

Ordering Information

HTF 0805 W 100 K S T

(1) (2) (3) (4) (5) (6) (7)

(1) Series Name

(2) Product Dimension (L*W Inch)

(3) Structure

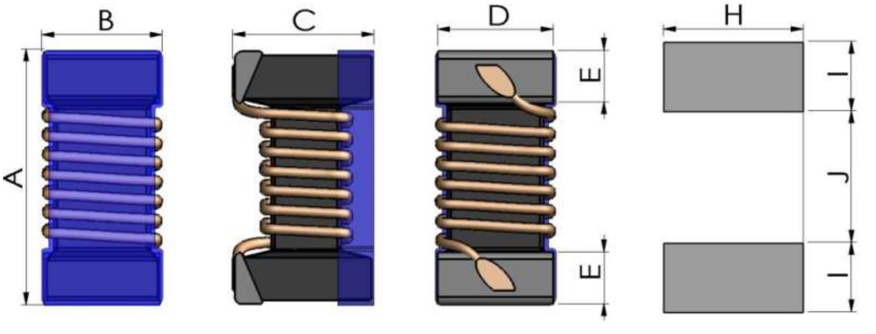
(4) Inductance Value (1R0: 1.0uH / 100: 10uH / 101: 100uH)

(5) Inductance Tolerance (J: ± 5% / K: ± 10%)

(6) Termination Materials (S: Sn)

(7) Packing Style (T: Taping / B: Bulk)

Shape & Dimensions



Series	Dimensions (mm)							
	A	B	C	D	E	H	I	J
HTF0402H/P	1.1±0.1	0.6±0.1	0.6±0.1	0.5±0.1	0.2±0.1	0.66 Typ.	0.35 Typ.	0.50 Typ.
HTF0603W	1.80 Max.	1.12 Max.	0.91 Max.	0.80 Typ.	0.3±0.1	1.02 Typ.	0.64 Typ.	0.64 Typ.
HTF0805W	2.29 Max.	1.73 Max.	1.52 Max.	1.30 Typ.	0.45 Typ.	1.78 Typ.	1.02 Typ.	0.76 Typ.
HTF1008W	2.92 Max.	2.79 Max.	2.03 Max.	2.2 Typ.	0.52 Typ.	2.54 Typ.	1.02 Typ.	1.27 Typ.
HTF1210W	3.65 Max.	2.95 Max.	2.70 Max.	2.4 Typ.	0.6 Typ.	3.02 Typ.	1.02 Typ.	1.78 Typ.

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Chip Inductor Precision Winding (High Q) Type

HTF High Q Series 0402 Size

Electrical Characteristics

HTF0402H Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (MHz) Min.
HTF0402H20N_ST	20	7.9	0.050	1600	2600
HTF0402H22N_ST	22	7.9	0.065	1300	2500
HTF0402H33N_ST	33	7.9	0.060	1400	2300
HTF0402H36N_ST	36	7.9	0.075	1300	2300
HTF0402H39N_ST	39	7.9	0.115	830	2200
HTF0402H51N_ST	51	7.9	0.070	1100	1930
HTF0402H56N_ST	56	7.9	0.095	1000	1900
HTF0402H72N_ST	72	7.9	0.100	1000	1650
HTF0402H78N_ST	78	7.9	0.130	970	1600
HTF0402HR10_ST	100	7.9	0.160	900	1400
HTF0402HR14_ST	140	7.9	0.260	630	1220
HTF0402HR18_ST	180	7.9	0.280	560	1150
HTF0402HR20_ST	200	7.9	0.440	400	1000
HTF0402HR22_ST	220	7.9	0.530	380	1150
HTF0402HR25_ST	250	7.9	0.360	520	900
HTF0402HR27_ST	270	7.9	0.550	360	860
HTF0402HR30_ST	300	7.9	0.410	420	860
HTF0402HR33_ST	330	7.9	0.560	350	820
HTF0402HR36_ST	360	7.9	0.575	360	810
HTF0402HR39_ST	390	7.9	0.750	300	760
HTF0402HR42_ST	420	7.9	0.700	340	700
HTF0402HR47_ST	470	7.9	0.730	310	650
HTF0402HR56_ST	560	7.9	0.920	200	600

Chip Inductor Precision Winding (High Q) Type

HTF High Q Series 0402 Size

Electrical Characteristics

HTF0402P Size

HONGDA Part No.	Inductance (nH)	L Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (MHz) Min.
HTF0402P20N_ST	20	100	0.028	2200	3000
HTF0402P33N_ST	33	100	0.065	1300	1800
HTF0402P34N_ST	34	100	0.036	1800	2500
HTF0402P48N_ST	48	100	0.078	1100	1400
HTF0402P53N_ST	53	100	0.060	1300	2000
HTF0402P68N_ST	68	100	0.120	820	1300
HTF0402P70N_ST	70	100	0.120	820	1300
HTF0402P77N_ST	77	100	0.090	1100	2000
HTF0402P96N_ST	96	100	0.160	730	1100
HTF0402PR11_ST	110	100	0.144	850	1500
HTF0402PR14_ST	140	100	0.216	650	1000
HTF0402PR18_ST	180	100	0.312	560	1000
HTF0402PR22_ST	220	100	0.470	450	1400
HTF0402PR27_ST	270	100	0.520	420	830
HTF0402PR33_ST	330	100	0.560	390	520
HTF0402PR39_ST	390	100	0.620	370	450
HTF0402PR42_ST	420	10	0.620	370	400
HTF0402PR47_ST	470	10	0.660	350	380
HTF0402PR56_ST	560	10	0.710	300	300
HTF0402PR68_ST	680	1	0.780	290	290
HTF0402PR82_ST	820	1	0.840	275	200
TF0402P1R0_ST	1000	1	0.940	270	120
HTF0402P1R5_ST	1500	1	1.500	190	120
HTF0402P2R2_ST	2200	1	1.800	170	100
HTF0402P3R3_ST	3300	1	3.650	130	80

Chip Inductor Precision Winding (High Q) Type

HTF High Q Series 0603 Size

Electrical Characteristics

HTF0603W Size

HONGDA Part No.	Inductance (uH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (MHz) Min.
HTF0603W50N_ST	0.05	7.9	12	7.9	0.10	1500	1700
HTF0603WR10_ST	0.10	7.9	12	7.9	0.13	1000	1150
HTF0603WR15_ST	0.15	7.9	12	7.9	0.15	1000	950
HTF0603WR18_ST	0.18	7.9	12	7.9	0.20	1000	950
HTF0603WR22_ST	0.22	7.9	12	7.9	0.30	700	775
HTF0603WR27_ST	0.27	7.9	12	7.9	0.30	700	775
HTF0603WR33_ST	0.33	7.9	12	7.9	0.32	600	725
HTF0603WR39_ST	0.39	7.9	12	7.9	0.51	500	620
HTF0603WR47_ST	0.47	7.9	12	7.9	0.43	570	600
HTF0603WR56_ST	0.56	7.9	12	7.9	0.65	400	600
HTF0603WR68_ST	0.68	7.9	12	7.9	1.00	380	500
HTF0603WR82_ST	0.82	7.9	12	7.9	1.30	350	500
HTF0603W1R0_ST	1.00	7.9	12	7.9	1.50	330	400
HTF0603W1R2_ST	1.20	7.9	12	7.9	1.70	320	380
HTF0603W1R5_ST	1.50	7.9	12	7.9	1.90	310	300
HTF0603W1R8_ST	1.80	7.9	12	7.9	2.20	300	180
HTF0603W2R0_ST	2.00	7.9	12	7.9	2.30	280	180
HTF0603W2R2_ST	2.20	7.9	12	7.9	2.30	280	180
HTF0603W2R7_ST	2.70	7.9	12	7.9	2.60	250	150
HTF0603W3R3_ST	3.30	7.9	12	7.9	2.90	230	150
HTF0603W3R9_ST	3.90	7.9	12	7.9	3.20	210	120
HTF0603W4R7_ST	4.70	7.9	12	7.9	4.00	200	100
HTF0603W5R1_ST	5.10	7.9	12	7.9	2.60	240	32
HTF0603W5R6_ST	5.60	7.9	12	7.9	2.60	240	32
HTF0603W6R8_ST	6.80	7.9	12	7.9	3.90	200	31
HTF0603W8R2_ST	8.20	7.9	12	7.9	4.20	190	26
HTF0603W100_ST	10	2.5	10	2.5	4.80	180	25
HTF0603W120_ST	12	2.5	10	2.5	6.30	170	25
HTF0603W150_ST	15	2.5	10	2.5	8.50	170	23
HTF0603W180_ST	18	2.5	10	2.5	10.00	160	22
HTF0603W220_ST	22	2.5	10	2.5	12.00	100	10

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Chip Inductor Precision Winding (High Q) Type
HTF High Q Series 0805 Size
Electrical Characteristics
HTF0805W Size

HONGDA Part No.	Inductance (uH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (MHz) Min.
HTF0805WR12_ST	0.12	7.9	19	7.9	0.27	750	340
HTF0805WR15_ST	0.15	7.9	19	7.9	0.30	720	480
HTF0805WR18_ST	0.18	7.9	19	7.9	0.40	720	480
HTF0805WR22_ST	0.22	7.9	19	7.9	0.40	720	480
HTF0805WR39_ST	0.39	7.9	19	7.9	0.31	720	500
HTF0805WR47_ST	0.47	7.9	19	7.9	0.31	720	500
HTF0805WR56_ST	0.56	7.9	12	7.9	0.46	400	400
HTF0805WR68_ST	0.68	7.9	12	7.9	0.46	590	400
HTF0805WR81_ST	0.81	7.9	12	7.9	1.00	520	360
HTF0805WR88_ST	0.88	7.9	12	7.9	1.00	520	360
HTF0805WR91_ST	0.91	7.9	12	7.9	1.00	430	360
HTF0805W1R0_ST	1.0	7.9	12	7.9	1.00	430	360
HTF0805W1R2_ST	1.2	7.9	12	7.9	1.15	410	350
HTF0805W1R5_ST	1.5	7.9	12	7.9	1.20	400	300
HTF0805W1R8_ST	1.8	7.9	12	7.9	1.35	380	300
HTF0805W2R2_ST	2.2	7.9	12	7.9	1.50	350	170
HTF0805W2R7_ST	2.7	7.9	12	7.9	1.70	320	100
HTF0805W3R3_ST	3.3	7.9	12	7.9	1.80	300	90
HTF0805W3R9_ST	3.9	7.9	12	7.9	1.95	280	90
HTF0805W4R7_ST	4.7	7.9	12	7.9	2.05	250	85
HTF0805W5R6_ST	5.6	7.9	12	7.9	2.30	240	70
HTF0805W6R8_ST	6.8	7.9	12	7.9	2.60	220	55
HTF0805W8R2_ST	8.2	7.9	12	7.9	3.00	180	50
HTF0805W100_ST	10	2.5	10	2.5	2.55	150	40
HTF0805W120_ST	12	2.5	10	2.5	3.50	100	16
HTF0805W150_ST	15	2.5	10	2.5	4.20	100	16
HTF0805W180_ST	18	2.5	10	2.5	4.50	95	15
HTF0805W220_ST	22	2.5	10	2.5	6.00	80	14
HTF0805W270_ST	27	2.5	10	2.5	10.7	60	17
HTF0805W330_ST	33	2.5	10	2.5	10.7	60	17

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Chip Inductor Precision Winding (High Q) Type

HTF High Q Series 0805 Size

Electrical Characteristics

HTF0805W Size

HONGDA Part No.	Inductance (uH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (MHz) Min.
HTF0805W390_ST	39	2.5	10	2.5	10.0	60	14
HTF0805W470_ST	47	2.5	10	2.5	13.8	55	14
HTF0805W680_ST	68	2.5	8	2.5	17.5	40	11
HTF0805W101_ST	100	1	8	1	25.0	30	5
HTF0805W101_ST	110	1	8	1	26.0	20	5

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Chip Inductor Precision Winding (High Q) Type

HTF High Q Series 1008 Size

Electrical Characteristics

HTF1008W Size

HONGDA Part No.	Inductance (uH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (MHz) Min.
HTF1008W1R0_ST	1.0	7.9	18	7.9	0.62	700	230
HTF1008W1R2_ST	1.2	7.9	18	7.9	0.68	650	210
HTF1008W1R5_ST	1.5	7.9	18	7.9	0.76	630	190
HTF1008W1R8_ST	1.8	7.9	18	7.9	0.84	600	170
HTF1008W2R2_ST	2.2	7.9	18	7.9	1.10	520	150
HTF1008W2R7_ST	2.7	7.9	18	7.9	1.28	490	135
HTF1008W3R3_ST	3.3	7.9	18	7.9	1.46	450	120
HTF1008W3R9_ST	3.9	7.9	18	7.9	1.56	420	105
HTF1008W4R7_ST	4.7	7.9	18	7.9	1.68	400	90
HTF1008W5R6_ST	5.6	7.9	15	7.9	1.82	380	80
HTF1008W6R8_ST	6.8	7.9	15	7.9	2.00	360	70
HTF1008W8R2_ST	8.2	7.9	15	7.9	2.65	330	65
HTF1008W100_ST	10	2.5	12	2.5	2.95	300	60
HTF1008W120_ST	12	2.5	12	2.5	3.30	290	38
HTF1008W150_ST	15	2.5	12	2.5	3.70	280	30
HTF1008W180_ST	18	2.5	12	2.5	4.00	160	26
HTF1008W220_ST	22	2.5	12	2.5	6.14	270	22
HTF1008W270_ST	27	2.5	12	2.5	6.45	210	12
HTF1008W330_ST	33	2.5	12	2.5	7.00	200	12
HTF1008W360_ST	36	2.5	12	2.5	8.50	180	19
HTF1008W390_ST	39	2.5	12	2.5	10.0	170	16
HTF1008W470_ST	47	2.5	12	2.5	10.7	160	12
HTF1008W560_ST	56	2.5	12	2.5	12.0	170	8
HTF1008W680_ST	68	2.5	12	2.5	13.5	145	5.7
HTF1008W101_ST	100	2.5	12	2.5	20.5	120	4.5

Chip Inductor Precision Winding (High Q) Type

HTF High Q Series 1210 Size

Electrical Characteristics

HTF1210W Size

HONGDA Part No.	Inductance (uH)	L Test Freq. (MHz)	Q Min.	Q Test Freq. (MHz)	RDC (Ω) Max.	Ir (mA) Max.	SRF (MHz) Min.
HTF1210WR56_ST	0.56	25	20	25	0.55	450	180
HTF1210W1R2_ST	1.2	7.9	30	7.9	0.75	390	100
HTF1210W1R5_ST	1.5	7.9	20	7.9	0.40	450	200
HTF1210W1R8_ST	1.8	7.9	20	7.9	0.80	450	195
HTF1210W2R2_ST	2.2	7.9	30	7.9	0.80	450	175
HTF1210W3R3_ST	3.3	7.9	20	7.9	1.20	400	150
HTF1210W4R7_ST	4.7	7.9	18	7.9	1.30	350	60
HTF1210W5R6_ST	5.6	2.5	18	2.5	2.00	320	50
HTF1210W100_ST	10	2.5	15	2.5	1.00	300	30
HTF1210W150_ST	15	2.5	15	2.5	2.00	225	22
HTF1210W180_ST	18	2.5	15	2.5	2.05	215	22
HTF1210W220_ST	22	2.5	15	2.5	2.40	210	20
HTF1210W250_ST	25	2.5	15	2.5	4.80	150	25
HTF1210W270_ST	27	2.5	15	2.5	2.90	160	15
HTF1210W330_ST	33	2.5	15	2.5	2.90	160	15
HTF1210W470_ST	47	2.5	15	2.5	5.20	140	10
HTF1210W560_ST	56	2.5	8	2.5	5.60	125	8
HTF1210W680_ST	68	1	6	1	13.00	100	10
HTF1210W820_ST	82	1	6	1	13.00	100	10
HTF1210W101_ST	100	1	6	1	13.00	100	10
HTF1210W121_ST	120	1	6	1	13.00	100	10
HTF1210W151_ST	150	1	10	1	20.00	80	4
HTF1210W181_ST	180	1	8	1	14.50	70	3
HTF1210W201_ST	200	1	8	1	30.00	65	2.6
HTF1210W221_ST	220	1	8	1	30.00	65	2.6
HTF1210W271_ST	270	1	8	1	33.00	60	2.3
TF1210W331_ST	330	1	8	1	35.00	55	2.3
HTF1210W471_ST	470	1	8	1	42.00	40	2
HTF1210W561_ST	560	2.5	8	2.5	60.00	10	3
HTF1210W621_ST	620	1	8	1	85.00	10	2
HTF1210W681_ST	680	1	6	1	90.00	10	2

Power Inductor

Multilayer Chip Type

Compact Size • Low DCR & High IDC • High Current

MOBILE PHONE

PDA

SMART WATCH

MP3

HDD

NOTE BOOK

DIGITAL CAMERA

HEADPHONE

Power Inductor Multilayer Chip Type

HDFL Large Current Series

1608/2012/2016/2520 Size

Ordering Information

HDFL 2012 F 1R0 M T - LF

(1) (2) (3) (4) (5) (6) (7)

(1) Series Name

(2) Product Dimension (L*W mm)

(3) Material Code

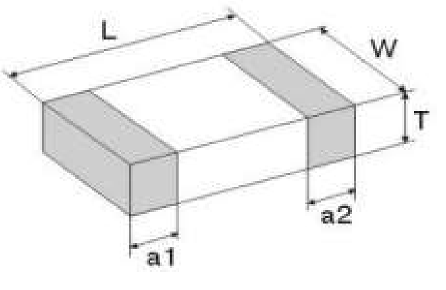
(4) Inductance Value (1R0:1.0uH / 2R2:2.2uH / 100:10uH)

(5) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

(6) Packing Style (T:Taping B:Bulk)

(7) Lead Free Products

Shape & Dimensions



Size	Dimensions (mm / Inch)			
	L	W	T	a1, a2
1608 [0603]	1.60±0.15 [0.063±0.006]	0.80±0.15 [0.031±0.006]	0.80±0.15 [0.031±0.006]	0.30±0.20 [0.012±0.008]
2012 [0805]	2.00±0.20 [0.079±0.008]	1.25±0.20 [0.049±0.008]	0.85±0.10 [0.033±0.004]	0.50±0.30 [0.020±0.012]
2012 [0805]	2.00±0.20 [0.079±0.008]	1.25±0.20 [0.049±0.008]	1.15±0.10 [0.045±0.004]	0.50±0.30 [0.020±0.012]
2016 [0806]	2.00±0.20 [0.079±0.008]	1.60±0.20 [0.063±0.008]	0.80±0.20 [0.031±0.008]	0.50±0.30 [0.020±0.012]
2520 [1008]	2.50±0.20 [0.098±0.008]	2.00±0.20 [0.079±0.008]	0.85±0.15 [0.030±0.006]	0.50±0.30 [0.020±0.012]

Power Inductor Multilayer Chip Type
HDFL Large Current Series 1608 Size
Electrical Characteristics
HDFL1608 Size

HONGDA Part No.	Inductance (uH)±20%	L Test Freq. (MHz)	SRF (MHz) Min.	RDC (Ω) ±30%	Irms (mA) Max.
HDFL1608F1R0 □	1.0	1	125	0.18	1000
HDFL1608F1R5 □	1.5	1	109	0.22	800
HDFL1608F2R2 □	2.2	1	90	0.30	700
HDFL1608F3R3 □	3.3	1	70	0.40	600
HDFL1608F4R7 □	4.7	1	50	0.50	500
HDFL1608F6R8 □	6.8	1	40	0.75	400
HDFL1608F100 □	10.0	1	33	0.80	400
HDFL1608F150 □	15.0	1	20	0.90	220
HDFL1608F220 □	22.0	1	15	1.00	200

Power Inductor Multilayer Chip Type
HDFL Large Current Series 2012 Size

Electrical Characteristics

HDFL2012 Size

HONGDA Part No.	Inductance (uH)±20%	L Test Freq. (MHz)	SRF (MHz) Min.	RDC (Ω) ±30%	Irms (mA) Max.
HDFL2012F1R0 □	1.0	1	75	0.15	1400
HDFL2012F1R5 □	1.5	1	60	0.16	1300
HDFL2012F2R2 □	2.2	1	50	0.20	1200
HDFL2012F3R3 □	3.3	1	41	0.22	1100
HDFL2012F4R7 □	4.7	1	35	0.25	1000
HDFL2012F6R8 □	6.8	1	29	0.27	550
HDFL2012F100 □	10.0	1	24	0.50	500
HDFL2012F150 □	15.0	1	19	0.55	400
HDFL2012F220 □	22.0	1	18	0.70	300
HDFL2012C1R0 □	1.0	1	75	0.18	1000
HDFL2012C2R2 □	2.2	1	50	0.22	800
HDFL2012C4R7 □	4.7	1	35	0.35	500
HDFL2012C100 □	10.0	1	24	0.60	150

HDFL2012UF Size

HONGDA Part No.	Inductance (uH)±20%	L Test Freq. (MHz)	RDC (Ω) ±30%	Isat (mA) Max.	Irms (mA) Max.
HDFL2012UF1R0 □	1.0	1	0.15	600	1400
HDFL2012UF1R5 □	1.5	1	0.16	450	1300
HDFL2012UF2R2 □	2.2	1	0.20	350	1200
HDFL2012UF3R3 □	3.3	1	0.22	220	1100
HDFL2012UF4R7 □	4.7	1	0.25	200	1000

Power Inductor Multilayer Chip Type
HDFL Large Current Series 2016 Size

Electrical Characteristics

HDFL2016F Size

HONGDA Part No.	Inductance (uH)±20%	L Test Freq. (MHz)	SRF (MHz) Min.	RDC (Ω) ±30%	Irms (mA) Max.
HDFL2016F1R0 □	1.0	1	60	0.11	1400
HDFL2016F1R5 □	1.5	1	50	0.15	1200
HDFL2016F2R2 □	2.2	1	40	0.15	1200
HDFL2016F3R3 □	3.3	1	30	0.20	1200
HDFL2016F4R7 □	4.7	1	20	0.25	1100

HDFL2016UF Size

HONGDA Part No.	Inductance (uH)±20%	L Test Freq. (MHz)	RDC (Ω) ±30%	Isat (mA) Max.	Irms (mA) Max.
HDFL2016UF1R0 □	1.0	1	0.11	1200	1400
HDFL2016UF1R5 □	1.5	1	0.15	700	1200
HDFL2016UF2R2 □	2.2	1	0.15	500	1200
HDFL2016UF3R3 □	3.3	1	0.20	330	1200
HDFL2016UF4R7 □	4.7	1	0.25	220	1100

Power Inductor Multilayer Chip Type
HDFL Large Current Series 2520 Size

Electrical Characteristics

HDFL2520F Size

HONGDA Part No.	Inductance (uH)±20%	L Test Freq. (MHz)	SRF (MHz) Min.	RDC (Ω) ±30%	Irms (mA) Max.
HDFL2520F1R0 □	1.0	1	60	0.10	1600
HDFL2520F1R5 □	1.5	1	50	0.11	1500
HDFL2520F2R2 □	2.2	1	40	0.12	1500
HDFL2520F3R3 □	3.3	1	30	0.15	1300
HDFL2520F4R7 □	4.7	1	20	0.25	1300

HDFL2520UF Size

HONGDA Part No.	Inductance (uH)±20%	L Test Freq. (MHz)	RDC (Ω) ±30%	Isat (mA) Max.	Irms (mA) Max.
HDFL2520UF1R0 □	1.0	1	0.11	1000	1600
HDFL2520UF1R5 □	1.5	1	0.12	800	1500
HDFL2520UF2R2 □	2.2	1	0.14	600	1500
HDFL2520UF4R7 □	4.7	1	0.25	300	1300

Power Inductor

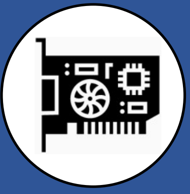
Small Size Molding Type

Low Profile • High Current • Low DCR • Ultra Low Noise

NOTE BOOK

DESKTOP

SERVER



GRAPHIC CARD

BACKLIGHT DISPLAY

AUDIO SYSTEM

PROJECTOR

Power Inductor Small Size Molding Type

HPIM Series

201610/252010 Size

Ordering Information

HPIM 201610 H 1R0 M - LF

(1) (2) (3) (4) (5) (6)

(1) Series Name

(2) Product Dimension (L*W*H mm)

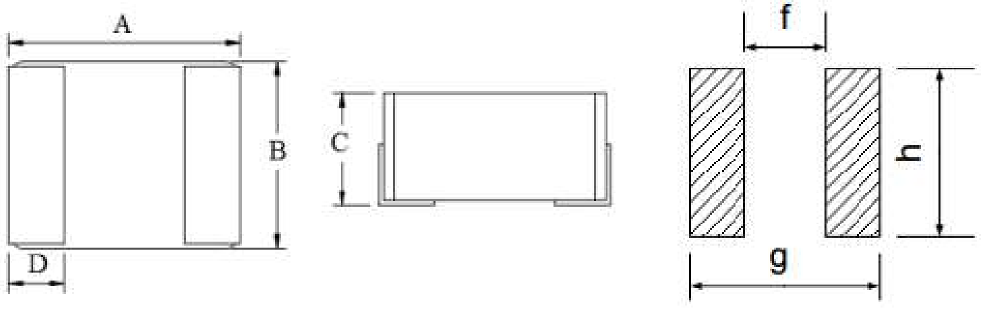
(3) Special process code

(4) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

(5) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

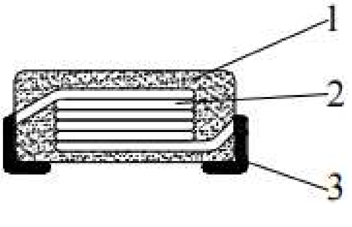
(6) Lead Free Product

Shape & Dimensions



Dimensions (mm)						
A	B	C	D	f	g	h
2.00±0.20	1.60±0.20	1.00 (Max.)	0.50±0.2	0.70 (Typ.)	2.00 (Typ.)	1.60 (Typ.)
2.50±0.20	2.00±0.20	1.00 (Max.)	0.60±0.2	1.20 (Typ.)	2.80 (Typ.)	2.00 (Typ.)

Material List



No.	Item	Material
1	Core	Alloy Material
2	Wire	Enameled Copper Wire
3	Terminal Electrode	Tin Covered Copper

Power Inductor Small Size Molding Type
HPIM Series 201610/252010 Size

Electrical Characteristics

HPIM201610H Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(uH)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIM201610HR22M-LF	0.24 ±20%	0.026	0.022	5.40	6.00	3.80	4.15
HPIM201610HR33M-LF	0.33 ±20%	0.034	0.029	4.70	5.20	3.50	3.85
HPIM201610HR47M-LF	0.47 ±20%	0.040	0.036	4.00	4.50	3.10	3.40
HPIM201610HR68M-LF	0.68 ±20%	0.054	0.048	3.60	4.00	2.60	2.90
HPIM201610H1R0M-LF	1.0 ±20%	0.070	0.064	3.10	3.40	2.20	2.60
HPIM201610H1R5M-LF	1.5 ±20%	0.110	0.100	2.40	2.70	1.80	2.05
HPIM201610H2R2M-LF	2.2 ±20%	0.168	0.154	1.80	2.15	1.40	1.60

HPIM201610E Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(uH)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIM201610ER24M-LF	0.24±20%	0.022	0.018	5.80	6.30	4.40	4.80
HPIM201610ER47M-LF	0.47±20%	0.030	0.025	5.00	5.40	4.00	4.30
HPIM201610E1R0M-LF	1.0±20%	0.054	0.045	4.00	4.40	3.50	3.70

HPIM252010H Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(uH)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIM252010HR22M-LF	0.22 ±20%	0.015	0.014	6.50	6.90	5.00	5.40
HPIM252010HR33M-LF	0.33 ±20%	0.024	0.020	5.70	6.20	4.20	4.50
HPIM252010HR47M-LF	0.47 ±20%	0.032	0.028	5.00	5.50	3.60	3.90
HPIM252010HR68M-LF	0.68 ±20%	0.048	0.044	4.10	4.60	3.00	3.30
HPIM252010H1R0M-LF	1.0 ±20%	0.054	0.048	3.80	4.20	2.70	3.00
HPIM252010H1R5M-LF	1.5 ±20%	0.082	0.075	3.00	3.40	2.10	2.40
HPIM252010H2R2M-LF	2.2 ±20%	0.115	0.107	2.40	2.70	1.70	2.00

HPIM252010E Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(uH)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIM252010ER24M-LF	0.24±20%	0.015	0.013	8.50	8.90	5.70	5.90
HPIM252010ER47M-LF	0.47±20%	0.027	0.022	6.00	6.60	4.40	4.80
HPIM252010E1R0M-LF	1.0±20%	0.048	0.041	4.10	4.50	3.10	3.40

Power Inductor

Big Size Molding Type

Low Profile • High Current • Low DCR • Ultra Low Noise

AUTOMOTIVE

DESKTOP

SERVER

GRAPHIC CARD

BACKLIGHT DISPLAY

AUDIO SYSTEM

PROJECTOR

Power Inductor Big Size Molding Type

HAPM Series

0420/0530/0630/1040/1335/1350 Size

Ordering Information

HAPM	0630	F	-	1R0	M	-	LF
(1)	(2)	(3)		(4)	(5)		(6)

(1) Series Name

(2) Product Dimension (L*W*H mm)

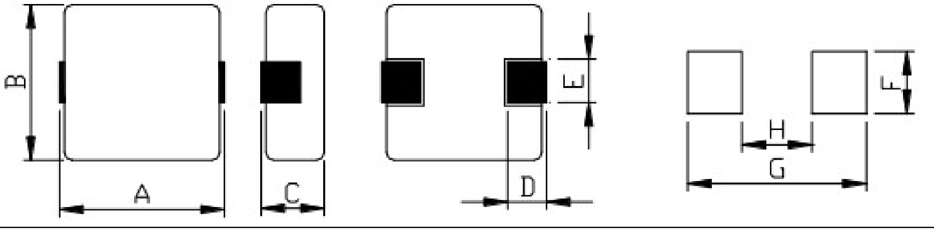
(3) Structure code

(4) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

(5) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

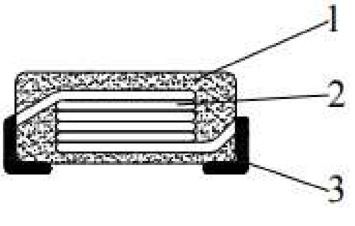
(6) Lead Free Product

Shape & Dimensions



Size	Dimensions (mm)							
	A	B	C	D	E	F	G	H
0420F	4.9 (Max.)	4.4 (Max.)	2.0 (Max.)	1.0±0.3	1.5±0.5	2.3	5.0	2.2
0530F	5.9 (Max.)	5.5 (Max.)	3.0 (Max.)	1.0±0.3	2.0±0.5	2.5	7.0	3.0
0630F	7.8 (Max.)	7.0 (Max.)	3.0 (Max.)	1.5±0.5	3.0±0.3	3.5	8.4	3.7
1040F	11.8 (Max.)	10.8 (Max.)	4.0 (Max.)	2.0±0.5	3.0±0.3	4.1	13.6	6.0
1335F	14.5 (Max.)	13.0 (Max.)	3.5 (Max.)	2.5±0.5	3.8±0.3	4.5	15.5	8.0
1350F	14.5 (Max.)	13.0 (Max.)	5.0 (Max.)	2.5±0.5	3.8±0.3	4.5	15.5	8.0

Material List



No.	Item	Material
1	Core	Alloy Material
2	Wire	Enameled Copper Wire
3	Terminal	Tin Covered Copper

Power Inductor Big Size Molding Type
HAPM Series 0420/0530 Size

Electrical Characteristics

HAPM0420 Size

HONGDA Part No.	Inductance (uH)±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HAPM0420F-R47M-LF	0.47	14	9.5	7.0
HAPM0420F-1R0M-LF	1.0	27	7.0	4.5
HAPM0420F-1R5M-LF	1.5	40	6.5	4.0
HAPM0420F-2R2M-LF	2.2	52	4.5	3.4
HAPM0420F-4R7M-LF	4.7	125	3.2	2.1
HAPM0420F-6R8M-LF	6.8	170	2.7	1.7
HAPM0420F-100M-LF	10.0	200	2.0	1.5

HAPM0530 Size

HONGDA Part No.	Inductance (uH)±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HAPM0530F-R47M-LF	0.47	8.5	16.0	12.0
HAPM0530F-R56M-LF	0.56	9.0	15.0	11.2
HAPM0530F-R68M-LF	0.68	10.5	13.0	10.2
HAPM0530F-1R0M-LF	1.00	12.5	11.0	9.5
HAPM0530F-1R5M-LF	1.50	22.0	9.0	6.5
HAPM0530F-2R2M-LF	2.20	25.0	8.5	6.2
HAPM0530F-3R3M-LF	3.30	35.0	7.2	5.2
HAPM0530F-4R7M-LF	4.70	54.0	6.0	4.5
HAPM0530F-6R8M-LF	6.80	85.0	4.5	3.7
HAPM0530F-100M-LF	10.00	130.0	3.7	3.1

Power Inductor Big Size Molding Type

HAPM Series 0630/1040 Size

Electrical Characteristics

HAPM0630 Size

HONGDA Part No.	Inductance (uH)±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HAPM0630F-R47M-LF	0.47	4.5	25.0	17.5
HAPM0630F-R68M-LF	0.68	5.8	23.0	15.0
HAPM0630F-R82M-LF	0.82	8.0	20.0	13.0
HAPM0630F-1R0M-LF	1.00	9.0	16.0	11.0
HAPM0630F-1R5M-LF	1.50	16.0	14.0	9.0
HAPM0630F-2R2M-LF	2.20	20.0	12.0	8.0
HAPM0630F-3R3M-LF	3.30	30.0	10.0	6.0
HAPM0630F-4R7M-LF	4.70	40.0	9.0	5.0
HAPM0630F-6R8M-LF	6.80	60.0	6.0	4.5
HAPM0630F-8R2M-LF	6.80	80.0	5.7	4.0
HAPM0630F-100M-LF	10.0	95	5.5	3.5
HAPM0630F-220M-LF	22.0	167	3.0	2.5

HAPM1040 Size

HONGDA Part No.	Inductance (uH)±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HAPM1040F-1R0M-LF	1.0	4.70	28.0	18.0
HAPM1040F-1R5M-LF	1.5	5.80	27.0	16.0
HAPM1040F-2R2M-LF	2.2	9.00	22.0	12.0
HAPM1040F-3R3M-LF	3.3	12.5	16.0	10.0
HAPM1040F-4R7M-LF	4.7	16.5	13.0	8.0
HAPM1040F-6R8M-LF	6.8	28.0	9.0	6.5
HAPM1040F-100M-LF	10.0	36.5	8.0	5.0
HAPM1040F-150M-LF	15.0	48.0	7.0	4.0
HAPM1040F-220M-LF	22.0	72.0	5.0	3.0

Power Inductor Big Size Molding Type
HAPM Series 1335/1350 Size

Electrical Characteristics

HAPM1335 Size

HONGDA Part No.	Inductance (uH)±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HAPM1335F-R47M-LF	0.5	2.00	55.00	32.00
HAPM1335F-R68M-LF	0.7	2.50	49.00	28.00
HAPM1335F-1R0M-LF	1.0	3.50	40.00	23.00
HAPM1335F-1R5M-LF	1.5	5.50	35.00	19.00
HAPM1335F-2R2M-LF	2.2	8.00	29.00	16.00
HAPM1335F-3R3M-LF	3.3	12.00	27.00	12.00
HAPM1335F-4R7M-LF	4.7	15.00	24.00	10.00
HAPM1335F-6R8M-LF	6.8	22.00	18.00	9.00
HAPM1335F-8R2M-LF	8.2	28.00	16.00	8.50
HAPM1335F-100M-LF	10.0	34.00	14.00	7.00
HAPM1335F-220M-LF	22.0	90.00	4.50	3.00

HAPM1350 Size

HONGDA Part No.	Inductance (uH)±20%	DCR (mΩ) Max.	Isat (A) Typ.	Irms (A) Typ.
HAPM1350F-R47M-LF	0.5	1.30	65.00	38.00
HAPM1350F-R82M-LF	0.8	2.30	53.00	31.00
HAPM1350F-1R0M-LF	1.0	2.50	50.00	29.00
HAPM1350F-1R5M-LF	1.5	4.10	48.00	23.00
HAPM1350F-2R2M-LF	2.2	5.50	32.00	20.00
HAPM1350F-3R3M-LF	3.3	9.20	30.00	15.00
HAPM1350F-4R7M-LF	4.7	15.00	27.00	12.00
HAPM1350F-5R6M-LF	5.6	17.00	22.00	11.50
HAPM1350F-6R8M-LF	6.8	19.00	21.00	11.00
HAPM1350F-8R2M-LF	8.2	23.00	18.00	9.50
HAPM1350F-100M-LF	10.0	26.00	16.00	9.00

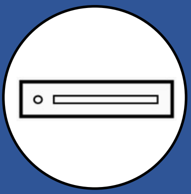
Power Inductor

Wire Wound(NR) Type

Low Profile • High Current • Low DCR • Ultra Low Noise

TV

MONITOR



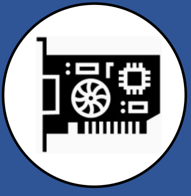
SET-TOP BOX

CAMERA

ROUTER

DVD

NOTE BOOK



GRAPHIC CARD

PROJECTOR

yetech.ru
yesupport@yetech.ru

Power Inductor Wire Wound(NR) Type

HPIA / HPIAL Series

Alloy 201608/252008 Size

Ordering Information

HPIA **201608** - **1R0** **M** - **LF**

(1) (2) (3) (4) (5)

(1) Series Name

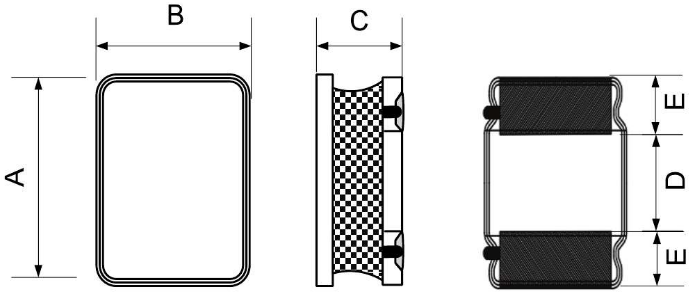
(2) Product Dimension (L*W mm)

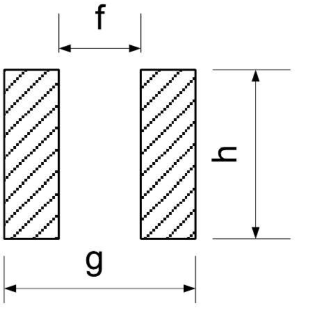
(3) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

(4) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

(5) Lead Free Product

Shape & Dimensions

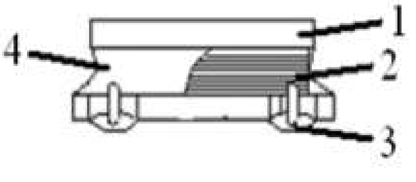




Recommended Pattern

Size	Dimensions (mm)							
	A	B	C	D	E	f	g	h
201608	2.00±0.20	1.60±0.20	0.85 (Max.)	0.60±0.2	0.60±0.2	0.80 (Typ.)	2.20 (Typ.)	1.60 (Typ.)
252008	2.50±0.20	2.00±0.20	0.85 (Max.)	0.80±0.2	0.80±0.2	0.80 (Typ.)	2.50 (Typ.)	2.00 (Typ.)

Material List



No.	Item	Material
1	Core	Mixed Alloy Material
2	Wire	Enameled Copper Wire
3	Terminal Electrode	Ag/Ni/Sn/Cu
4	Magnetic Glue	Epoxy resin and magnetic powder

Power Inductor Wire Wound(NR) Type
HPIA / HPIAL Series Alloy 201608/252008 Size

Electrical Characteristics

HPIA201608 Size

HONGDA Part No.	Inductance (uH)	DCR (Ω) Max.	DCR (Ω) Typ.	Isat (A) Max.	Isat (A) Typ.	Irms (A) Max.	Irms (A) Typ.
HPIA201608-R24M-LF	0.24 ±20%	0.038	0.032	4.30	5.00	2.80	3.05
HPIA201608-R33M-LF	0.33 ±20%	0.048	0.040	4.00	5.00	2.50	2.75
HPIA201608-R47M-LF	0.47 ±20%	0.057	0.048	2.80	3.30	2.30	2.50
HPIA201608-1R0M-LF	1.0 ±20%	0.116	0.097	2.00	2.50	1.60	1.75
HPIA201608-1R5M-LF	1.5 ±20%	0.156	0.130	1.50	1.80	1.40	1.55
HPIA201608-2R2M-LF	2.2 ±20%	0.255	0.212	1.20	1.50	1.10	1.20

HPIAL201608 Size

HONGDA Part No.	Inductance (uH)	DCR (Ω) Max.	DCR (Ω) Typ.	Isat (A) Max.	Isat (A) Typ.	Irms (A) Max.	Irms (A) Typ.
HPIAL201608-R24M-LF	0.24 ±20%	0.041	0.034	5.50	6.50	2.70	3.00
HPIAL201608-R33M-LF	0.33 ±20%	0.053	0.044	5.00	6.50	2.35	2.60
HPIAL201608-R47M-LF	0.47 ±20%	0.060	0.050	3.30	4.00	2.25	2.45
HPIAL201608-R68M-LF	0.68 ±20%	0.090	0.075	2.80	3.10	1.80	2.00
HPIAL201608-1R0M-LF	1.0 ±20%	0.125	0.104	2.50	3.20	1.55	1.70
HPIAL201608-1R5M-LF	1.5 ±20%	0.180	0.150	2.00	2.50	1.30	1.40
HPIAL201608-2R2M-LF	2.2 ±20%	0.275	0.229	1.60	2.00	1.05	1.15

HPIA252008 Size

HONGDA Part No.	Inductance (uH)	DCR (Ω) Max.	DCR (Ω) Typ.	Isat (A) Max.	Isat (A) Typ.	Irms (A) Max.	Irms (A) Typ.
HPIA252008-R24M-LF	0.24 ±20%	0.044	0.037	6.50	8.00	2.30	2.50
HPIA252008-R33M-LF	0.33 ±20%	0.050	0.042	6.00	7.00	2.15	2.35
HPIA252008-R47M-LF	0.47 ±20%	0.070	0.058	3.20	4.00	1.85	2.05
HPIA252008-R68M-LF	0.68 ±20%	0.082	0.068	3.00	4.00	1.70	1.88
HPIA252008-1R0M-LF	1.0 ±20%	0.120	0.100	2.70	3.40	1.41	1.55
HPIA252008-1R5M-LF	1.5 ±20%	0.170	0.142	2.20	2.70	1.15	1.30
HPIA252008-2R2M-LF	2.2 ±20%	0.240	0.200	1.60	2.00	1.00	1.10
HPIA252008-3R3M-LF	3.3 ±20%	0.410	0.340	1.50	2.00	0.76	0.85
HPIA252008-4R7M-LF	4.7 ±20%	0.510	0.425	1.20	1.60	0.68	0.75
HPIA252008-100M-LF	10 ±20%	1.290	1.075	0.80	1.20	0.43	0.50

Power Inductor Wire Wound(NR) Type

HPIA / HPIAL Series
Alloy 201610/252010/252012 Size

Ordering Information

HPIA **201610** - **1R0** **M** - **LF**

(1) (2) (3) (4) (5)

(1) Series Name

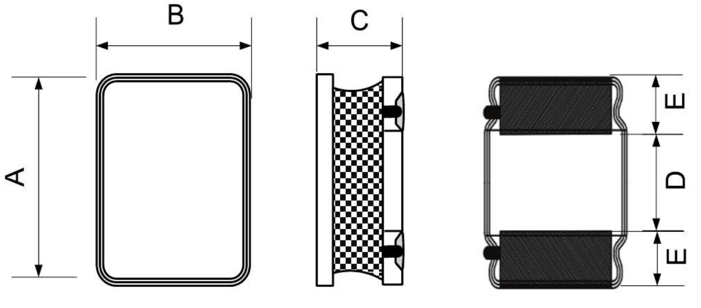
(2) Product Dimension (L*W mm)

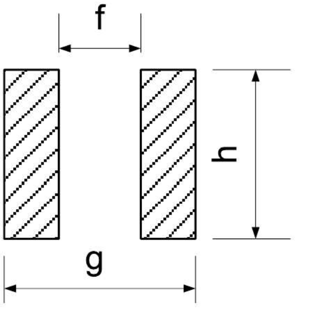
(3) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

(4) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

(5) Lead Free Product

Shape & Dimensions

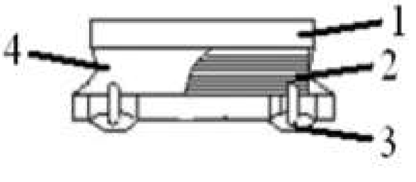




Recommended Pattern

Size	Dimensions (mm)							
	A	B	C	D	E	f	g	h
201610	2.00±0.20	1.60±0.20	1.00 (Max.)	0.60±0.2	0.60±0.2	0.80 (Typ.)	2.20 (Typ.)	1.60 (Typ.)
252010	2.50±0.20	2.00±0.20	1.00 (Max.)	0.80±0.2	0.80±0.2	0.80 (Typ.)	2.50 (Typ.)	2.00 (Typ.)
252012	2.50±0.20	2.00±0.20	1.00 (Max.)	0.80±0.2	0.80±0.2	0.80 (Typ.)	2.50 (Typ.)	2.00 (Typ.)

Material List



No.	Item	Material
1	Core	Mixed Alloy Material
2	Wire	Enameled Copper Wire
3	Terminal Electrode	Ag/Ni/Sn/Cu
4	Magnetic Glue	Epoxy resin and magnetic powder

Power Inductor Wire Wound(NR) Type
HPIA / HPIAL Series Alloy 201610 Size

Electrical Characteristics

HPIA201610 Size

HONGDA Part No.	Inductance (uH)	DCR (Ω)		Isat (A)		Irms (A)	
		Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIA201610-R24M-LF	0.24 ±20%	0.032	0.028	5.00	5.50	3.65	4.30
HPIA201610-R33M-LF	0.33 ±20%	0.032	0.028	4.00	4.60	4.00	4.80
HPIA201610-R47M-LF	0.47 ±20%	0.035	0.029	3.50	4.00	3.80	4.50
HPIA201610-R68M-LF	0.68 ±20%	0.057	0.048	3.00	3.40	2.60	3.00
HPIA201610-1R0M-LF	1.0 ±20%	0.090	0.075	2.70	3.15	2.10	2.40
HPIA201610-1R5M-LF	1.5 ±20%	0.130	0.110	2.00	2.20	1.70	2.00
HPIA201610-2R2M-LF	2.2 ±20%	0.165	0.138	1.75	2.10	1.25	1.45
HPIA201610-4R7M-LF	4.7 ±20%	0.430	0.375	1.00	1.30	0.90	1.00

HPIAL201610 Size

HONGDA Part No.	Inductance (uH)	DCR (Ω)		Isat (A)		Irms (A)	
		Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIAL201610-R24M-LF	0.24 ±20%	0.026	0.021	5.90	7.00	4.35	4.80
HPIAL201610-R33M-LF	0.33 ±20%	0.035	0.030	5.50	6.00	3.20	3.50
HPIAL201610-R47M-LF	0.47 ±20%	0.035	0.030	4.50	4.90	3.80	4.50
HPIAL201610-R68M-LF	0.68 ±20%	0.060	0.050	4.20	5.00	2.60	3.00
HPIAL201610-1R0M-LF	1.0 ±20%	0.065	0.055	2.50	3.00	2.50	2.90
HPIAL201610-1R5M-LF	1.5 ±20%	0.115	0.095	2.50	3.00	1.85	2.05
HPIAL201610-2R2M-LF	2.2 ±20%	0.140	0.115	1.50	1.70	1.60	1.90
HPIAL201610-4R7M-LF	4.7 ±20%	0.430	0.358	1.40	1.60	0.95	1.05

Power Inductor Wire Wound(NR) Type
HPIA / HPIAL Series Alloy 252010 Size

Electrical Characteristics

HPIA252010 Size

HONGDA Part No.	Inductance (uH)	DCR (Ω) Max.	DCR (Ω) Typ.	Isat (A) Max.	Isat (A) Typ.	Irms (A) Max.	Irms (A) Typ.
HPIA252010-R24M-LF	0.24 ±20%	0.030	0.025	5.70	6.55	3.85	4.20
HPIA252010-R33M-LF	0.33 ±20%	0.026	0.022	6.00	6.50	4.50	5.00
HPIA252010-R47M-LF	0.47 ±20%	0.038	0.032	5.50	6.00	3.60	4.00
HPIA252010-R68M-LF	0.68 ±20%	0.050	0.040	3.60	4.15	3.20	3.90
HPIA252010-1R0M-LF	1.0 ±20%	0.065	0.054	3.20	3.55	2.80	3.20
HPIA252010-1R5M-LF	1.5 ±20%	0.100	0.080	2.70	3.00	2.00	2.35
HPIA252010-2R2M-LF	2.2 ±20%	0.130	0.108	1.90	2.30	1.80	2.00
HPIA252010-3R3M-LF	3.3 ±20%	0.225	0.187	1.80	2.00	1.40	1.52
HPIA252010-4R7M-LF	4.7 ±20%	0.310	0.260	1.50	1.60	1.15	1.35
HPIA252010-100M-LF	10 ±20%	0.600	0.500	0.95	1.10	0.90	1.00

HPIAL252010 Size

HONGDA Part No.	Inductance (uH)	DCR (Ω) Max.	DCR (Ω) Typ.	Isat (A) Max.	Isat (A) Typ.	Irms (A) Max.	Irms (A) Typ.
HPIAL252010-R24M-LF	0.24 ±20%	0.020	0.017	8.00	9.50	5.25	5.70
HPIAL252010-R33M-LF	0.33 ±20%	0.026	0.022	6.50	8.00	4.60	5.00
PIAL252010-R47M-LF	0.47 ±20%	0.042	0.035	6.00	8.00	3.50	4.00
HPIAL252010-R68M-LF	0.68 ±20%	0.050	0.040	4.50	5.50	3.20	3.90
PIAL252010-1R0M-LF	1.0 ±20%	0.062	0.055	3.70	3.90	3.00	3.20
PIAL252010-1R5M-LF	1.5 ±20%	0.087	0.072	2.70	3.00	2.30	2.55
PIAL252010-2R2M-LF	2.2 ±20%	0.120	0.100	2.00	2.40	2.00	2.30
PIAL252010-4R7M-LF	4.7 ±20%	0.255	0.208	1.80	2.10	1.35	1.50

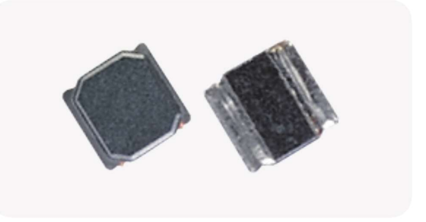
Power Inductor Wire Wound(NR) Type
HPIA / HPIAL Series Alloy 252012 Size

Electrical Characteristics

HPIA252012 Size

HONGDA Part No.	Inductance (uH)	DCR (Ω) Max.	DCR (Ω) Typ.	Isat (A) Max.	Isat (A) Typ.	Irms (A) Max.	Irms (A) Typ.
HPIA252012-R24M-LF	0.24 ±20%	0.025	0.021	5.50	6.00	4.30	4.70
HPIA252012-R33M-LF	0.33 ±20%	0.026	0.022	6.30	7.00	3.75	4.40
HPIA252012-R47M-LF	0.47 ±20%	0.035	0.027	5.50	6.00	3.50	3.80
HPIA252012-R68M-LF	0.68 ±20%	0.045	0.040	4.50	4.80	3.50	3.80
HPIA252012-1R0M-LF	1.0 ±20%	0.057	0.047	3.80	4.00	3.30	3.60
HPIA252012-1R5M-LF	1.5 ±20%	0.095	0.079	3.80	4.20	2.50	3.00
HPIA252012-2R2M-LF	2.2 ±20%	0.120	0.100	2.45	3.00	2.00	2.30
HPIA252012-3R3M-LF	3.3 ±20%	0.156	0.130	1.80	2.10	1.35	1.50
HPIA252012-4R7M-LF	4.7 ±20%	0.255	0.215	1.60	2.00	1.30	1.50
HPIA252012-6R8M-LF	6.8 ±20%	0.340	0.283	1.30	1.50	1.00	1.10
HPIA252012-100M-LF	10 ±20%	0.450	0.400	1.30	1.50	0.70	0.80

Power Inductor Wire Wound(NR) Type



HPIA / HPIAL Series

Alloy 3012/3015 Size

Ordering Information

HPIA 3012 - 1R0 M - LF

(1) (2) (3) (4) (5)

(1) Series Name

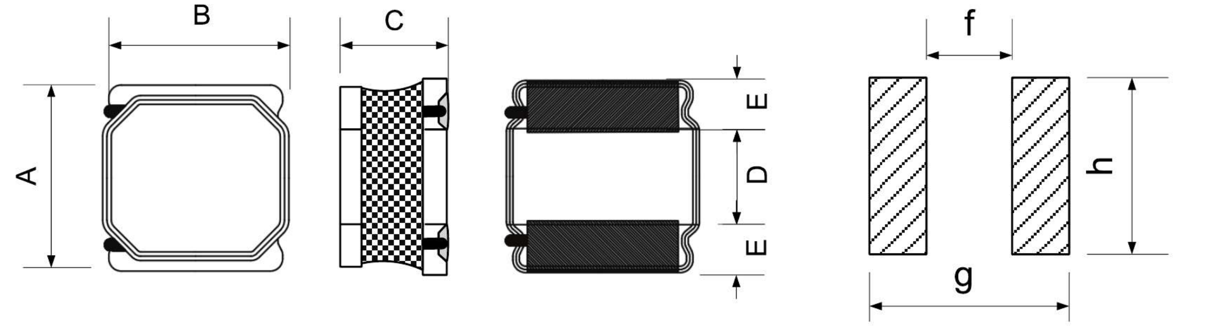
(2) Product Dimension (L*W mm)

(3) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

(4) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

(5) Lead Free Product

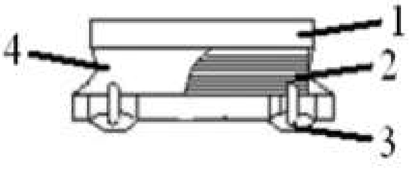
Shape & Dimensions



Recommended Land Pattern

Size	Dimensions (mm)							
	A	B	C	D	E	f	g	h
3012	3.00±0.20	3.00±0.20	1.20 (Max.)	1.20±0.2	0.90±0.2	1.50 (Typ.)	3.10 (Typ.)	2.70 (Typ.)
3015	3.00±0.20	3.00±0.20	1.50 (Max.)	1.20±0.2	0.90±0.2	1.50 (Typ.)	3.10 (Typ.)	2.70 (Typ.)

Material List



No.	Item	Material
1	Core	Mixed Alloy Material
2	Wire	Enameled Copper Wire
3	Terminal Electrode	Ag/Ni/Sn/Cu
4	Magnetic Glue	Epoxy resin and magnetic powder

Power Inductor Wire Wound(NR) Type
HPIA / HPIAL Series Alloy 3012/3015 Size

Electrical Characteristics

HPIA3012 Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(uH)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIA3012-R47M-LF	0.47 ±20%	0.033	0.026	7.00	8.50	4.00	4.50
HPIA3012-1R0M-LF	1.0 ±20%	0.055	0.045	5.50	7.00	2.70	3.10
HPIA3012-1R5M-LF	1.5 ±20%	0.074	0.063	4.00	5.00	2.50	2.70
HPIA3012-2R2M-LF	2.2 ±20%	0.105	0.088	3.50	4.20	2.10	2.30
HPIA3012-3R3M-LF	3.3 ±20%	0.150	0.125	2.50	3.30	1.75	1.90
HPIA3012-4R7M-LF	4.7 ±20%	0.215	0.180	2.10	2.60	1.30	1.50
HPIA3012-6R8M-LF	6.8 ±20%	0.295	0.245	1.75	2.00	1.17	1.35
HPIA3012-100M-LF	10 ±20%	0.440	0.365	1.55	1.90	1.10	1.25

HPIA3015 Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(uH)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIA3015-R47M-LF	0.47 ±20%	0.030	0.025	7.50	9.00	4.60	5.00
HPIA3015-1R0M-LF	1.0 ±20%	0.048	0.040	5.30	6.30	3.60	3.95
HPIA3015-1R5M-LF	1.5 ±20%	0.054	0.045	3.60	4.30	3.40	3.70
HPIA3015-2R2M-LF	2.2 ±20%	0.078	0.065	3.10	4.00	2.80	3.10
HPIA3015-3R3M-LF	3.3 ±20%	0.102	0.085	2.50	3.20	2.45	2.65
HPIA3015-4R7M-LF	4.7 ±20%	0.152	0.126	2.20	2.60	2.00	2.20
HPIA3015-6R8M-LF	6.8 ±20%	0.220	0.183	1.80	2.00	1.65	1.80
HPIA3015-100M-LF	10.0 ±20%	0.320	0.270	1.50	1.80	1.35	1.50

Power Inductor Wire Wound(NR) Type

HPIE Series

Ferrite 2016/2520 Size

Ordering Information

HPIE 201610 - 1R0 M - LF

(1) (2) (3) (4) (5)

(1) Series Name

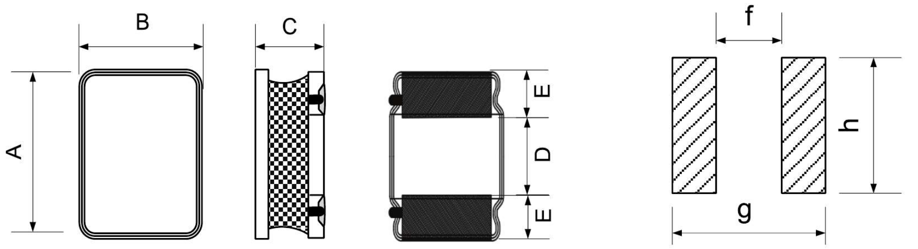
(2) Product Dimension (L*W mm)

(3) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

(4) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

(5) Lead Free Product

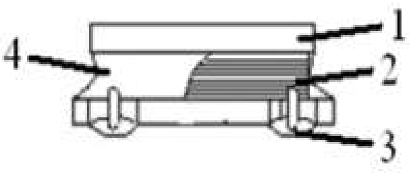
Shape & Dimensions



Recommended Pattern

Size	Dimensions (mm)							
	A	B	C	D	E	f	G	h
201608	2.00±0.20	1.60±0.20	0.85 (Max.)	0.60±0.2	0.60±0.2	0.80 (Typ.)	2.20 (Typ.)	1.60 (Typ.)
201610	2.00±0.20	1.60±0.20	1.00 (Max.)	0.60±0.2	0.60±0.2	0.80 (Typ.)	2.20 (Typ.)	1.60 (Typ.)
252008	2.50±0.20	2.00±0.20	0.85 (Max.)	0.80±0.2	0.80±0.2	0.80 (Typ.)	2.50 (Typ.)	2.00 (Typ.)
252010	2.50±0.20	2.00±0.20	1.00 (Max.)	0.80±0.2	0.80±0.2	0.80 (Typ.)	2.50 (Typ.)	2.00 (Typ.)

Material List



No.	Item	Material
1	Core	Ni-Zn Ferrite
2	Wire	Enameled Copper Wire
3	Terminal Electrode	Ag/Ni/Sn/Cu
4	Magnetic Glue	Epoxy resin and magnetic powder

Power Inductor Wire Wound(NR) Type

HPIE Series Ferrite 201608/201610 Size

Electrical Characteristics

HPIE201608 Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(uH)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIE201608-R24M-LF	0.24 ±20%	0.044	0.037	4.10	4.50	2.60	2.85
HPIE201608-R33M-LF	0.33 ±20%	0.047	0.039	2.80	3.30	2.50	2.75
HPIE201608-R47M-LF	0.47 ±20%	0.065	0.054	2.60	3.00	2.10	2.35
HPIE201608-R68M-LF	0.68 ±20%	0.088	0.073	2.50	2.90	1.80	2.00
HPIE201608-1R0M-LF	1.0 ±20%	0.094	0.078	1.70	1.90	1.75	1.95
HPIE201608-1R5M-LF	1.5 ±20%	0.127	0.106	1.20	1.40	1.53	1.67
HPIE201608-2R2M-LF	2.2 ±20%	0.194	0.162	1.00	1.20	1.20	1.33
HPIE201608-4R7M-LF	4.7 ±20%	0.500	0.416	0.80	1.00	0.74	0.80

HPIE201610 Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(uH)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIE201610-R24M-LF	0.24 ±20%	0.032	0.025	4.50	4.85	3.70	4.30
HPIE201610-R33M-LF	0.33 ±20%	0.026	0.022	3.20	3.50	4.50	5.00
HPIE201610-R47M-LF	0.47 ±20%	0.042	0.035	2.55	3.60	2.80	3.00
HPIE201610-R68M-LF	0.68 ±20%	0.058	0.048	2.50	3.00	2.60	3.00
HPIE201610-1R0M-LF	1.0 ±20%	0.070	0.060	1.85	2.20	2.50	2.60
HPIE201610-1R5M-LF	1.5 ±20%	0.120	0.100	1.50	1.70	1.70	2.00
HPIE201610-2R2M-LF	2.2 ±20%	0.150	0.125	1.30	1.60	1.50	1.60
HPIE201610-4R7M-LF	4.7 ±20%	0.350	0.265	1.00	1.10	1.00	1.10
HPIE201610-100M-LF	10 ±20%	0.815	0.680	0.68	0.75	0.61	0.70
HPIE201610-150M-LF	15 ±20%	1.440	1.200	0.40	0.50	0.40	0.45
HPIE201610-220M-LF	22 ±20%	1.750	1.460	0.50	0.53	0.36	0.40

Power Inductor Wire Wound(NR) Type
HPIE Series Ferrite 252008/252010 Size

Electrical Characteristics

HPIE252008 Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(uH)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIE252008-R24M-LF	0.24 ±20%	0.040	0.033	3.00	3.20	2.20	2.43
HPIE252008-R33M-LF	0.33 ±20%	0.053	0.044	3.00	3.20	1.90	2.10
HPIE252008-R47M-LF	0.47 ±20%	0.068	0.057	2.60	3.00	1.70	1.85
HPIE252008-R68M-LF	0.68 ±20%	0.068	0.057	1.50	2.00	1.70	1.85
HPIE252008-1R0M-LF	1.0 ±20%	0.086	0.072	1.20	1.40	1.50	1.64
HPIE252008-1R5M-LF	1.5 ±20%	0.142	0.118	1.10	1.40	1.16	1.28
HPIE252008-2R2M-LF	2.2 ±20%	0.195	0.162	0.80	1.10	1.00	1.12
HPIE252008-3R3M-LF	3.3 ±20%	0.360	0.300	0.80	0.95	0.75	0.82
HPIE252008-4R7M-LF	4.7 ±20%	0.480	0.400	0.65	0.80	0.64	0.70
HPIE252008-6R8M-LF	6.8 ±20%	0.570	0.475	0.55	0.61	0.58	0.65
HPIE252008-100M-LF	10.0 ±20%	0.960	0.800	0.43	0.48	0.46	0.50

HPIE252010 Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(uH)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIE252010-R24M-LF	0.24 ±20%	0.030	0.022	4.00	5.50	3.90	4.30
HPIE252010-R33M-LF	0.33 ±20%	0.038	0.030	3.80	4.05	3.30	3.90
HPIE252010-R47M-LF	0.47 ±20%	0.038	0.030	3.70	3.90	3.30	3.90
HPIE252010-R68M-LF	0.68 ±20%	0.053	0.040	3.00	3.50	3.00	3.20
HPIE252010-1R0M-LF	1.0 ±20%	0.072	0.060	2.30	2.60	2.30	2.60
HPIE252010-1R5M-LF	1.5 ±20%	0.103	0.085	2.00	2.20	1.90	2.10
HPIE252010-2R2M-LF	2.2 ±20%	0.130	0.108	1.50	1.70	1.80	2.00
HPIE252010-3R3M-LF	3.3 ±20%	0.210	0.190	1.45	1.60	1.25	1.50
HPIE252010-4R7M-LF	4.7 ±20%	0.318	0.265	1.20	1.30	1.10	1.20
HPIE252010-6R8M-LF	6.8 ±20%	0.470	0.425	1.00	1.10	0.90	1.10
HPIE252010-100M-LF	10 ±20%	0.600	0.530	0.75	0.80	0.70	0.80
HPIE252010-150M-LF	15 ±20%	0.990	0.825	0.50	0.60	0.45	0.50

Power Inductor Wire Wound(NR) Type

HPIH Series

Ferrite 2016/2520 Size

Ordering Information

HPIH 201610 - 1R0 M - LF

(1) (2) (3) (4) (5)

(1) Series Name

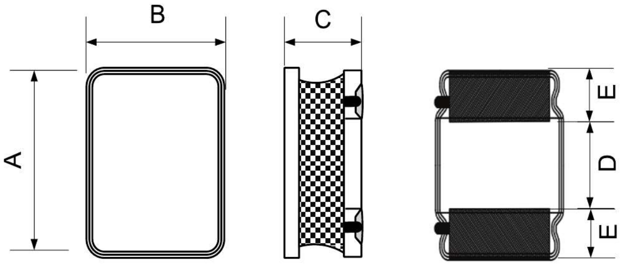
(2) Product Dimension (L*W mm)

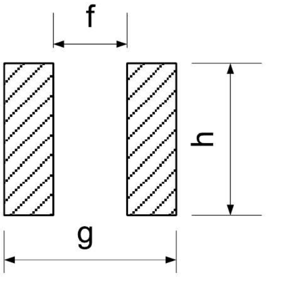
(3) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

(4) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

(5) Lead Free Product

Shape & Dimensions

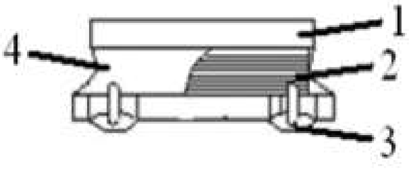




Recommended Pattern

Size	Dimensions (mm)							
	A	B	C	D	E	f	g	H
201610	2.00±0.20	1.60±0.20	1.00 (Max.)	0.60±0.2	0.60±0.2	0.80 (Typ.)	2.20 (Typ.)	1.60 (Typ.)
252010	2.50±0.20	2.00±0.20	1.00 (Max.)	0.80±0.2	0.80±0.2	0.80 (Typ.)	2.50 (Typ.)	2.00 (Typ.)
252012	2.50±0.20	2.00±0.20	1.00 (Max.)	0.80±0.2	0.80±0.2	0.80 (Typ.)	2.50 (Typ.)	2.00 (Typ.)

Material List



No.	Item	Material
1	Core	Ni-Zn Ferrite
2	Wire	Enameled Copper Wire
3	Terminal Electrode	Ag/Ni/Sn/Cu
4	Magnetic Glue	Epoxy resin and magnetic powder

Power Inductor Wire Wound(NR) Type
HPIH Series Ferrite 2016 Size

Electrical Characteristics

HPIH201610 Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(uH)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIH201610-R24M-LF	0.24 ±20%	0.032	0.025	3.80	4.20	3.70	4.30
HPIH201610-R33M-LF	0.33 ±20%	0.041	0.034	3.50	3.80	3.50	3.80
HPIH201610-R47M-LF	0.47 ±20%	0.041	0.034	2.35	3.00	2.80	3.00
HPIH201610-R68M-LF	0.68 ±20%	0.060	0.050	2.20	2.60	2.60	2.80
HPIH201610-1R0M-LF	1.0 ±20%	0.072	0.060	1.70	2.00	2.00	2.25
HPIH201610-2R2M-LF	2.2 ±20%	0.215	0.175	1.10	1.35	1.25	1.40
HPIH201610-3R3M-LF	3.3 ±20%	0.380	0.316	1.00	1.30	0.95	1.05
HPIH201610-4R7M-LF	4.7 ±20%	0.420	0.340	0.90	1.00	0.90	1.00
HPIH201610-6R8M-LF	6.8 ±20%	0.660	0.550	0.70	0.80	0.70	0.80
HPIH201610-100M-LF	10 ±20%	0.820	0.680	0.60	0.65	0.60	0.70

Power Inductor Wire Wound(NR) Type
HPIH Series Ferrite 252010/252012 Size

Electrical Characteristics

HPIH252010 Size

HONGDA Part No.	Inductance (uH)	DCR (Ω) Max.	DCR (Ω) Typ.	Isat (A) Max.	Isat (A) Typ.	Irms (A) Max.	Irms (A) Typ.
HPIH252010-R47M-LF	0.47 ±20%	0.042	0.035	3.40	3.60	3.20	3.50
HPIH252010-R68M-LF	0.68 ±20%	0.058	0.045	2.80	3.20	2.75	3.20
HPIH252010-1R0M-LF	1.0 ±20%	0.072	0.055	2.00	2.70	2.45	2.70
HPIH252010-1R5M-LF	1.5 ±20%	0.108	0.090	1.80	2.00	1.80	2.00
HPIH252010-2R2M-LF	2.2 ±20%	0.142	0.115	1.55	1.70	1.55	1.75
HPIH252010-3R3M-LF	3.3 ±20%	0.270	0.225	1.45	1.50	1.15	1.25
HPIH252010-4R7M-LF	4.7 ±20%	0.330	0.275	1.15	1.25	1.00	1.10

HPIH252012 Size

HONGDA Part No.	Inductance (uH)	DCR (Ω) Max.	DCR (Ω) Typ.	Isat (A) Max.	Isat (A) Typ.	Irms (A) Max.	Irms (A) Typ.
HPIH252012-R24M-LF	0.24 ±20%	0.026	0.022	5.40	5.80	3.80	4.00
HPIH252012-R33M-LF	0.33 ±20%	0.030	0.025	4.95	5.05	4.95	5.25
HPIH252012-R47M-LF	0.47 ±20%	0.032	0.027	4.20	4.50	3.40	3.75
HPIH252012-R68M-LF	0.68 ±20%	0.045	0.037	3.50	4.00	3.20	3.50
HPIH252012-1R0M-LF	1.0 ±20%	0.056	0.045	2.60	3.00	2.70	3.50
HPIH252012-1R5M-LF	1.5 ±20%	0.072	0.060	2.10	2.30	2.10	2.25
HPIH252012-2R2M-LF	2.2 ±20%	0.100	0.085	1.60	1.90	2.08	2.20
HPIH252012-3R3M-LF	3.3 ±20%	0.144	0.120	1.50	1.70	1.50	1.60
HPIH252012-4R7M-LF	4.7 ±20%	0.216	0.180	1.25	1.40	1.20	1.35
HPIH252012-6R8M-LF	6.8 ±20%	0.300	0.250	1.10	1.20	0.95	1.05
HPIH252012-100M-LF	10 ±20%	0.462	0.385	0.90	1.00	0.80	0.90
HPIH252012-470M-LF	47 ±20%	2.250	1.850	0.40	0.42	0.32	0.35

Power Inductor Wire Wound(NR) Type

HPIT Series

Ferrite 252010/252012 Size

Ordering Information

HPIT 252012 - 1R0 M - LF

(1) (2) (3) (4) (5)

(1) Series Name

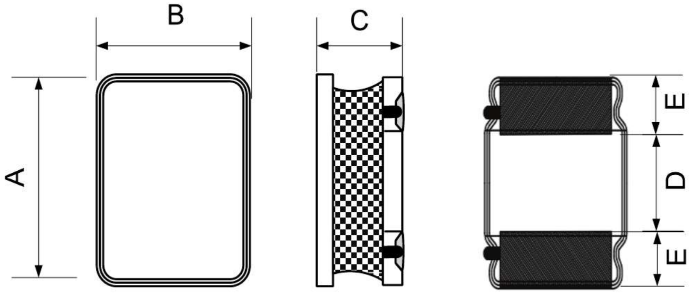
(2) Product Dimension (L*W mm)

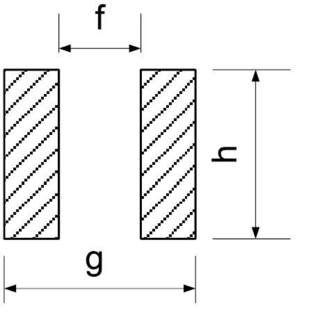
(3) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

(4) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

(5) Lead Free Product

Shape & Dimensions

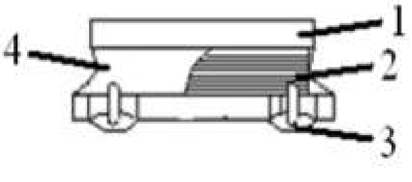




Recommended Pattern

Size	Dimensions (mm)							
	A	B	C	D	E	f	g	h
252010	2.50±0.20	2.00±0.20	1.00 (Max.)	0.80±0.2	0.80±0.2	0.80 (Typ.)	2.50 (Typ.)	2.00 (Typ.)
252012	2.50±0.20	2.00±0.20	1.20 (Max.)	0.80±0.2	0.80±0.2	0.80 (Typ.)	2.50 (Typ.)	2.00 (Typ.)

Material List



No.	Item	Material
1	Core	Ni-Zn Ferrite
2	Wire	Enameled Copper Wire
3	Terminal Electrode	Ag/Ni/Sn/Cu
4	Magnetic Glue	Epoxy resin and magnetic powder

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Power Inductor Wire Wound(NR) Type
HPIT Series Ferrite 252010/252012 Size

Electrical Characteristics

HPIT252010 Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(uH)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIT252010-R47M-LF	0.47 ±20%	0.056	0.047	3.20	3.40	2.43	2.70
HPIT252010-R68M-LF	0.68 ±20%	0.056	0.047	2.50	2.90	2.43	2.70
HPIT252010-1R0M-LF	1.0 ±20%	0.078	0.065	1.85	2.55	2.05	2.30
HPIT252010-2R2M-LF	2.2 ±20%	0.186	0.155	1.55	1.70	1.45	1.65
HPIT252010-3R3M-LF	3.3 ±20%	0.300	0.250	1.15	1.30	1.25	1.45
HPIT252010-4R7M-LF	4.7 ±20%	0.456	0.380	1.10	1.20	0.85	0.90
HPIT252010-6R8M-LF	6.8 ±20%	0.540	0.450	0.90	1.00	0.80	0.85
HPIT252010-100M-LF	10 ±20%	0.660	0.550	0.80	0.90	0.60	0.70
HPIT252010-220M-LF	22 ±20%	1.600	1.450	0.55	0.60	0.45	0.55
HPIT252010-470M-LF	47 ±20%	2.400	2.000	0.28	0.35	0.28	0.35

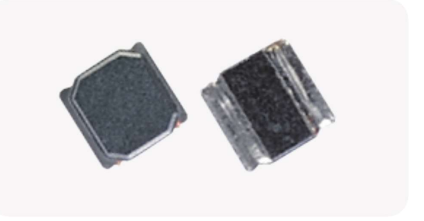
HPIT252012 Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(uH)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIT252012-R47M-LF	0.47 ±20%	0.035	0.029	3.80	4.20	3.00	3.30
HPIT252012-R68M-LF	0.68 ±20%	0.048	0.040	3.00	3.40	2.50	2.80
HPIT252012-1R0M-LF	1.0 ±20%	0.065	0.050	1.70	1.90	2.43	2.70
HPIT252012-1R5M-LF	1.5 ±20%	0.088	0.065	1.80	2.00	1.95	2.10
HPIT252012-2R2M-LF	2.2 ±20%	0.144	0.110	1.55	1.85	1.70	1.85
HPIT252012-3R3M-LF	3.3 ±20%	0.174	0.133	1.30	1.45	1.35	1.45
HPIT252012-4R7M-LF	4.7 ±20%	0.252	0.210	1.25	1.30	1.12	1.25
HPIT252012-5R6M-LF	5.6 ±20%	0.273	0.210	0.95	1.10	0.90	1.00
HPIT252012-6R8M-LF	6.8 ±20%	0.360	0.300	0.90	1.05	0.85	0.95
HPIT252012-100M-LF	10 ±20%	0.600	0.500	0.75	0.85	0.70	0.80
HPIT252012-150M-LF	15 ±20%	0.720	0.600	0.55	0.70	0.60	0.70
HPIT252012-220M-LF	22 ±20%	1.150	0.960	0.50	0.55	0.50	0.60

Power Inductor Wire Wound(NR) Type

HPIT Series

Ferrite 3010/3012/3015 Size



Ordering Information

HPIT 3010 - 1R0 M - LF

(1) (2) (3) (4) (5)

(1) Series Name

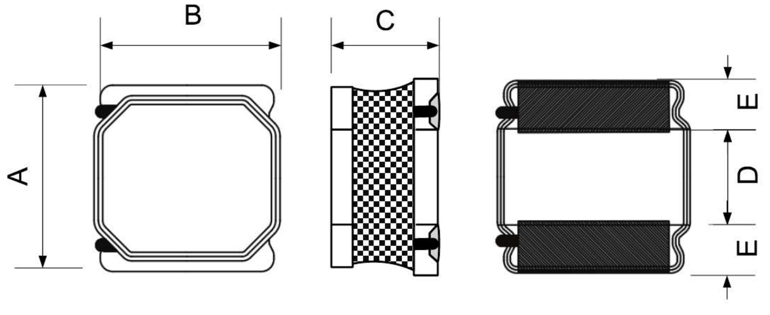
(2) Product Dimension (L*W mm)

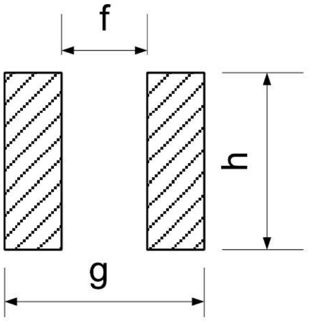
(3) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

(4) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

(5) Lead Free Product

Shape & Dimensions

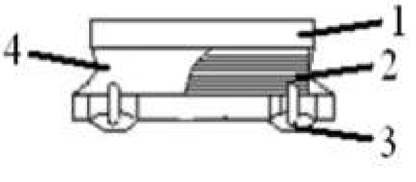




Recommended Land Pattern

Size	Dimensions (mm)							
	A	B	C	D	E	f	g	h
3010	3.00±0.20	3.00±0.20	1.00Max.	1.20±0.2	0.90±0.2	1.50 (Typ.)	3.10 (Typ.)	2.70 (Typ.)
3012	3.00±0.20	3.00±0.20	1.20Max.	1.20±0.2	0.90±0.2	1.50 (Typ.)	3.10 (Typ.)	2.70 (Typ.)
3015	3.00±0.20	3.00±0.20	1.50Max.	1.20±0.2	0.90±0.2	1.50 (Typ.)	3.10 (Typ.)	2.70 (Typ.)

Material List



No.	Item	Material
1	Core	Ni-Zn Ferrite
2	Wire	Enameled Copper Wire
3	Terminal Electrode	Ag/Ni/Sn/Cu
4	Magnetic Glue	Epoxy resin and magnetic powder

Power Inductor Wire Wound(NR) Type

HPIT Series Ferrite 3010 Size

Electrical Characteristics

HPIT3010 Size

HONGDA Part No.	Inductance (uH)	DCR (Ω)		Isat (A)		Irms (A)	
		Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIT3010-R56M-LF	0.56 ±20%	0.048	0.040	2.50	2.80	2.00	2.15
HPIT3010-R68M-LF	0.68 ±20%	0.048	0.040	2.30	2.50	2.00	2.15
HPIT3010-1R0M-LF	1.0 ±20%	0.066	0.055	1.95	2.15	1.75	2.00
HPIT3010-1R5M-LF	1.5 ±20%	0.078	0.065	1.50	1.65	1.55	1.70
HPIT3010-2R2M-LF	2.2 ±20%	0.130	0.100	1.20	1.50	1.10	1.40
HPIT3010-3R3M-LF	3.3 ±20%	0.145	0.120	1.10	1.20	1.15	1.25
HPIT3010-4R7M-LF	4.7 ±20%	0.222	0.185	0.95	1.10	0.95	1.05
HPIT3010-6R8M-LF	6.8 ±20%	0.330	0.275	0.75	0.85	0.65	0.70
HPIT3010-8R2M-LF	8.2 ±20%	0.348	0.290	0.70	0.80	0.70	0.80
HPIT3010-100M-LF	10 ±20%	0.480	0.380	0.65	0.70	0.65	0.70
HPIT3010-150M-LF	15 ±20%	0.624	0.520	0.50	0.60	0.50	0.60
HPIT3010-220M-LF	22 ±20%	1.000	0.800	0.40	0.50	0.40	0.50
HPIT3010-330M-LF	33 ±20%	1.200	1.000	0.30	0.40	0.30	0.40

Power Inductor Wire Wound(NR) Type

HPIT Series Ferrite 3012 Size

Electrical Characteristics

HPIT3012 Size

HONGDA Part No.	Inductance (uH)	DCR (Ω)		Isat (A)		Irms (A)	
		Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIT3012-R47M-LF	0.47 ±20%	0.030	0.025	3.50	4.00	2.80	3.10
HPIT3012-R82M-LF	0.82 ±20%	0.039	0.030	2.40	2.60	2.60	3.30
HPIT3012-1R0M-LF	1.0 ±20%	0.048	0.040	2.20	2.50	2.60	3.30
HPIT3012-1R2M-LF	1.2 ±20%	0.048	0.040	1.85	2.15	2.25	2.60
HPIT3012-1R5M-LF	1.5 ±20%	0.060	0.050	2.00	2.10	2.00	2.30
HPIT3012-2R2M-LF	2.2 ±20%	0.075	0.062	1.40	1.65	1.85	2.10
HPIT3012-3R3M-LF	3.3 ±20%	0.108	0.090	1.25	1.45	1.50	1.70
HPIT3012-4R7M-LF	4.7 ±20%	0.156	0.120	1.00	1.20	1.24	1.30
HPIT3012-6R8M-LF	6.8 ±20%	0.210	0.175	0.90	1.05	1.05	1.15
HPIT3012-100M-LF	10 ±20%	0.330	0.260	0.65	0.75	0.83	1.00
HPIT3012-150M-LF	15 ±20%	0.420	0.350	0.50	0.60	0.75	0.85
HPIT3012-180M-LF	18 ±20%	0.576	0.480	0.50	0.60	0.68	0.78
HPIT3012-220M-LF	22 ±20%	0.588	0.490	0.45	0.50	0.65	0.75
HPIT3012-330M-LF	33 ±20%	0.960	0.800	0.40	0.47	0.50	0.55
HPIT3012-470M-LF	47 ±20%	1.560	1.300	0.35	0.45	0.40	0.45

Power Inductor Wire Wound(NR) Type
HPIT Series Ferrite 3015 Size
Electrical Characteristics
HPIT3015 Size

HONGDA Part No.	Inductance (uH)	DCR (Ω)		Isat (A)		Irms (A)	
		Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIT3015-R22M-LF	0.22 ±20%	0.012	0.009	6.50	6.90	6.00	6.50
HPIT3015-R24M-LF	0.24 ±20%	0.012	0.009	5.50	6.00	5.50	6.00
HPIT3015-R47M-LF	0.47 ±20%	0.021	0.018	4.00	4.10	4.00	4.20
HPIT3015-1R0M-LF	1.0 ±20%	0.040	0.030	2.65	2.80	2.65	2.85
HPIT3015-1R2M-LF	1.2 ±20%	0.048	0.040	2.60	2.80	2.40	2.65
HPIT3015-1R5M-LF	1.5 ±20%	0.055	0.045	2.55	2.75	2.30	2.60
HPIT3015-2R2M-LF	2.2 ±20%	0.072	0.060	1.95	2.10	2.10	2.25
HPIT3015-3R3M-LF	3.3 ±20%	0.102	0.085	1.65	1.75	1.75	1.85
HPIT3015-3R9M-LF	3.9 ±20%	0.132	0.110	1.40	1.50	1.60	1.70
HPIT3015-4R7M-LF	4.7 ±20%	0.145	0.120	1.35	1.45	1.40	1.50
HPIT3015-5R6M-LF	5.6 ±20%	0.156	0.130	1.00	1.20	1.40	1.50
HPIT3015-6R8M-LF	6.8 ±20%	0.200	0.170	1.00	1.15	1.20	1.30
HPIT3015-8R2M-LF	8.2 ±20%	0.228	0.190	0.85	1.05	1.10	1.20
HPIT3015-100M-LF	10 ±20%	0.300	0.250	1.00	1.10	1.00	1.05
HPIT3015-120M-LF	12 ±20%	0.300	0.250	0.75	0.85	1.00	1.05
HPIT3015-150M-LF	15 ±20%	0.420	0.350	0.70	0.80	0.85	0.95
HPIT3015-220M-LF	22 ±20%	0.545	0.440	0.55	0.65	0.75	0.85
HPIT3015-330M-LF	33 ±20%	0.852	0.710	0.45	0.50	0.60	0.65
HPIT3015-470M-LF	47 ±20%	1.200	1.000	0.40	0.45	0.50	0.55
HPIT3015-680M-LF	68 ±20%	2.400	2.000	0.32	0.34	0.35	0.40
HPIT3015-101M-LF	100 ±20%	4.040	3.110	0.23	0.25	0.21	0.25

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Power Inductor Wire Wound(NR) Type

HPIT Series

Ferrite 4012/4018/4030 Size

Ordering Information

HPIT 4018 - 1R0 M - LF

(1) (2) (3) (4) (5)

(1) Series Name

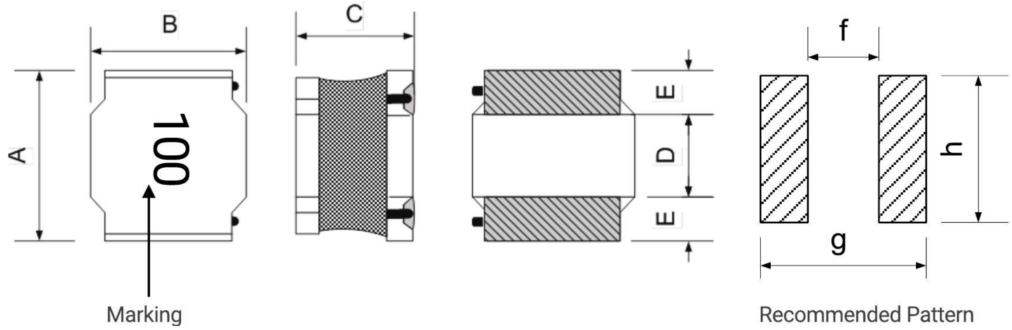
(2) Product Dimension (L*W mm)

(3) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

(4) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

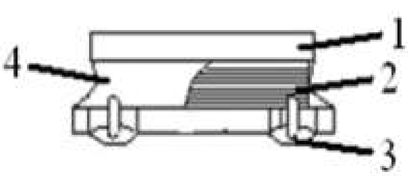
(5) Lead Free Product

Shape & Dimensions



Size	Dimensions (mm)							
	A	B	C	D	E	f	g	h
4012	4.00±0.20	4.00±0.20	1.80Max.	2.10±0.2	0.95±0.2	1.90 (Typ.)	4.10 (Typ.)	3.70 (Typ.)
4018	4.00±0.20	4.00±0.20	1.80Max.	2.10±0.2	0.95±0.2	1.90 (Typ.)	4.10 (Typ.)	3.70 (Typ.)
4030	4.00±0.20	4.00±0.20	3.00Max.	2.10±0.2	0.95±0.2	1.90 (Typ.)	4.10 (Typ.)	3.70 (Typ.)

Material List



No.	Item	Material
1	Core	Ni-Zn Ferrite
2	Wire	Enameled Copper Wire
3	Terminal Electrode	Ag/Ni/Sn/Cu
4	Magnetic Glue	Epoxy resin and magnetic powder

Power Inductor Wire Wound(NR) Type
HPIT Series Ferrite 4012 Size

Electrical Characteristics

HPIT4012 Size

HONGDA Part No.	Inductance (uH)	DCR (Ω) Max.	DCR (Ω) Typ.	Isat (A) Max.	Isat (A) Typ.	Irms (A) Max.	Irms (A) Typ.
HPIT4012-R82M-LF	0.82 ±20%	0.065	0.050	3.45	3.65	2.00	2.20
HPIT4012-1R0M-LF	1.0 ±20%	0.065	0.050	3.00	3.20	2.00	2.20
HPIT4012-1R5M-LF	1.5 ±20%	0.078	0.065	2.30	2.50	1.90	2.00
HPIT4012-2R2M-LF	2.2 ±20%	0.104	0.087	2.00	2.10	1.85	2.10
HPIT4012-3R3M-LF	3.3 ±20%	0.143	0.110	1.80	1.95	1.50	1.70
HPIT4012-4R7M-LF	4.7 ±20%	0.182	0.140	1.40	1.55	1.35	1.50
HPIT4012-5R6M-LF	5.6 ±20%	0.215	0.165	1.50	1.60	1.25	1.35
HPIT4012-6R8M-LF	6.8 ±20%	0.257	0.198	1.25	1.40	1.15	1.30
HPIT4012-100M-LF	10 ±20%	0.312	0.240	0.90	1.05	0.95	1.05
HPIT4012-150M-LF	15 ±20%	0.494	0.380	0.70	0.90	0.80	0.90
HPIT4012-220M-LF	22 ±20%	0.741	0.570	0.60	0.70	0.67	0.75
HPIT4012-330M-LF	33 ±20%	1.050	0.810	0.45	0.69	0.45	0.50
HPIT4012-470M-LF	47 ±20%	1.760	1.350	0.40	0.45	0.40	0.45
HPIT4012-101M-LF	100 ±20%	3.600	3.000	0.30	0.35	0.28	0.30

Power Inductor Wire Wound(NR) Type

HPIT Series Ferrite 4018 Size

Electrical Characteristics

HPIT4018 Size

HONGDA Part No.	Inductance (uH)	DCR (Ω)		Isat (A)		Irms (A)	
		Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIT4018-R24M-LF	0.24 ±20%	0.016	0.012	6.50	7.00	4.60	5.00
HPIT4018-R68M-LF	0.68 ±20%	0.025	0.021	6.00	7.00	3.80	4.15
HPIT4018-1R0M-LF	1.0 ±20%	0.030	0.025	4.55	4.85	3.40	3.80
HPIT4018-1R2M-LF	1.2 ±20%	0.030	0.025	4.20	4.80	3.40	3.80
HPIT4018-1R5M-LF	1.5 ±20%	0.036	0.030	3.90	4.25	2.95	3.20
HPIT4018-2R2M-LF	2.2 ±20%	0.048	0.040	3.15	3.40	2.60	2.90
HPIT4018-2R7M-LF	2.7 ±20%	0.060	0.050	2.70	3.00	2.20	2.50
HPIT4018-3R3M-LF	3.3 ±20%	0.060	0.050	2.70	3.00	2.20	2.50
HPIT4018-3R9M-LF	3.9 ±20%	0.078	0.065	2.60	2.80	2.00	2.20
HPIT4018-4R7M-LF	4.7 ±20%	0.078	0.065	2.10	2.30	2.00	2.20
HPIT4018-6R8M-LF	6.8 ±20%	0.108	0.090	1.70	1.85	1.70	1.90
HPIT4018-100M-LF	10 ±20%	0.168	0.140	1.40	1.55	1.20	1.30
HPIT4018-150M-LF	15 ±20%	0.228	0.190	1.15	1.25	1.00	1.20
HPIT4018-220M-LF	22 ±20%	0.336	0.280	1.00	1.10	0.95	1.10
PIT4018-330M-LF	33 ±20%	0.480	0.400	0.80	0.90	0.75	0.85
HPIT4018-470M-LF	47 ±20%	0.720	0.600	0.70	0.80	0.60	0.70
HPIT4018-560M-LF	56 ±20%	0.912	0.760	0.65	0.80	0.53	0.58
HPIT4018-101M-LF	100 ±20%	1.740	1.450	0.45	0.55	0.30	0.35
HPIT4018-221M-LF	220 ±20%	3.600	3.000	0.30	0.34	0.21	0.23

Power Inductor Wire Wound(NR) Type

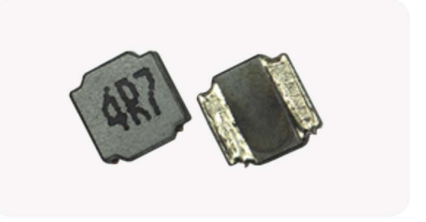
HPIT Series Ferrite 4030 Size

Electrical Characteristics

HPIT4030 Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(uH)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIT4030-R91M-LF	0.91 ±20%	0.017	0.013	7.00	8.00	4.15	4.70
HPIT4030-1R0M-LF	1.0 ±20%	0.018	0.014	6.50	7.20	4.15	4.70
HPIT4030-1R2M-LF	1.2 ±20%	0.020	0.015	6.00	6.80	3.82	4.20
HPIT4030-1R5M-LF	1.5 ±20%	0.026	0.020	5.50	6.50	3.34	3.60
HPIT4030-1R8M-LF	1.8 ±20%	0.033	0.025	5.50	5.80	3.20	3.30
HPIT4030-2R2M-LF	2.2 ±20%	0.039	0.030	5.00	5.40	2.95	3.20
HPIT4030-3R3M-LF	3.3 ±20%	0.052	0.040	3.60	4.20	2.40	2.65
HPIT4030-3R9M-LF	3.9 ±20%	0.072	0.057	3.30	3.80	2.10	2.30
HPIT4030-4R7M-LF	4.7 ±20%	0.078	0.060	2.70	3.20	2.00	2.20
HPIT4030-5R6M-LF	5.6 ±20%	0.085	0.065	2.70	2.90	1.95	2.10
HPIT4030-6R8M-LF	6.8 ±20%	0.109	0.084	2.30	2.80	1.65	1.80
HPIT4030-8R2M-LF	8.2 ±20%	0.109	0.084	2.10	2.35	1.65	1.80
HPIT4030-100M-LF	10 ±20%	0.125	0.096	1.80	2.20	1.52	1.65
HPIT4030-120M-LF	12 ±20%	0.170	0.131	1.65	2.10	1.30	1.45
HPIT4030-150M-LF	15 ±20%	0.245	0.189	1.60	1.90	1.11	1.20
HPIT4030-220M-LF	22 ±20%	0.295	0.225	1.10	1.50	1.00	1.10
HPIT4030-330M-LF	33 ±20%	0.415	0.320	1.00	1.30	0.85	0.95
HPIT4030-390M-LF	39 ±20%	0.450	0.345	1.03	1.10	0.80	0.90
HPIT4030-470M-LF	47 ±20%	0.580	0.445	0.75	1.05	0.72	0.80
HPIT4030-560M-LF	56 ±20%	0.720	0.555	0.85	0.95	0.65	0.70
HPIT4030-620M-LF	62 ±20%	1.080	0.829	0.80	0.85	0.53	0.60
HPIT4030-680M-LF	68 ±20%	1.130	0.868	0.70	0.85	0.52	0.55
HPIT4030-101M-LF	100 ±20%	1.450	1.110	0.60	0.75	0.45	0.50
HPIT4030-121M-LF	120 ±20%	1.630	1.250	0.53	0.60	0.43	0.47
HPIT4030-151M-LF	150 ±20%	1.720	1.440	0.50	0.60	0.42	0.46
HPIT4030-181M-LF	180 ±20%	1.836	1.530	0.48	0.55	0.40	0.44
HPIT4030-331M-LF	330 ±20%	4.080	3.400	0.30	0.38	0.27	0.30

Power Inductor Wire Wound(NR) Type



HPIT Series

Ferrite 5020 Size

Ordering Information

HPIT 5020 - 1R0 M - LF

(1) (2) (3) (4) (5)

(1) Series Name

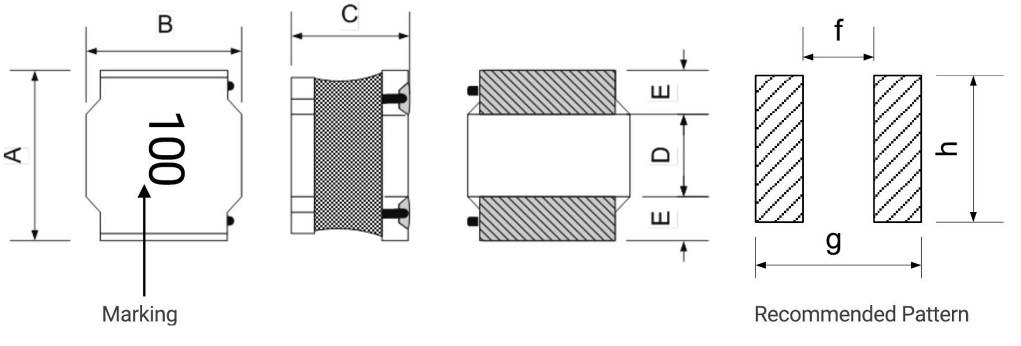
(2) Product Dimension (L*W mm)

(3) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

(4) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

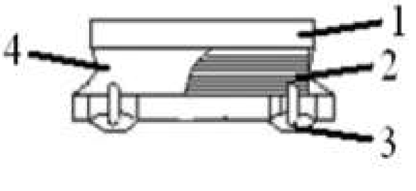
(5) Lead Free Product

Shape & Dimensions



Dimensions (mm)							
A	B	C	D	E	f	g	h
5.0±0.20	5.0±0.20	2.1 (Max.)	2.5±0.3	1.25±0.3	2.40 (Typ.)	5.10 (Typ.)	4.70 (Typ.)

Material List



No.	Item	Material
1	Core	Ni-Zn Ferrite
2	Wire	Enameled Copper Wire
3	Terminal Electrode	Ag/Ni/Sn/Cu
4	Magnetic Glue	Epoxy resin and magnetic powder

Power Inductor Wire Wound(NR) Type
HPIT Series Ferrite 5020 Size

Electrical Characteristics

HPIT5020 Size

HONGDA Part No.	Inductance (uH)	DCR (Ω)		Isat (A)	
		Max.	Typ.	Max.	Typ.
HPIT5020-R47N-LF	0.47 ±30%	0.016	0.012	8.00	8.40
HPIT5020-R68N-LF	0.68 ±30%	0.018	0.014	7.50	8.00
HPIT5020-1R0M-LF	1.0 ±20%	0.025	0.019	6.40	7.00
HPIT5020-1R5M-LF	1.5 ±20%	0.034	0.026	5.20	5.70
HPIT5020-2R2M-LF	2.2 ±20%	0.042	0.032	4.50	4.90
HPIT5020-2R7M-LF	2.7 ±20%	0.046	0.035	4.20	4.50
HPIT5020-3R3M-LF	3.3 ±20%	0.056	0.043	3.80	4.20
HPIT5020-4R7M-LF	4.7 ±20%	0.074	0.057	3.00	3.10
HPIT5020-5R6M-LF	5.6 ±20%	0.083	0.064	2.30	2.50
HPIT5020-6R8M-LF	6.8 ±20%	0.108	0.083	2.30	2.50
HPIT5020-100M-LF	10 ±20%	0.137	0.105	2.00	2.20
HPIT5020-120M-LF	12 ±20%	0.182	0.140	1.70	2.10
HPIT5020-150M-LF	15 ±20%	0.228	0.175	1.60	1.90
HPIT5020-180M-LF	18 ±20%	0.283	0.218	1.50	1.70
HPIT5020-220M-LF	22 ±20%	0.286	0.220	1.40	1.55
HPIT5020-470M-LF	47 ±20%	0.624	0.520	0.80	0.90
HPIT5020-101M-LF	100 ±20%	1.430	1.100	0.55	0.60

Power Inductor Wire Wound(NR) Type

HPIT Series

Ferrite 5040 Size

Ordering Information

HPIT 5040 - 1R0 M - LF

(1) (2) (3) (4) (5)

(1) **Series Name**

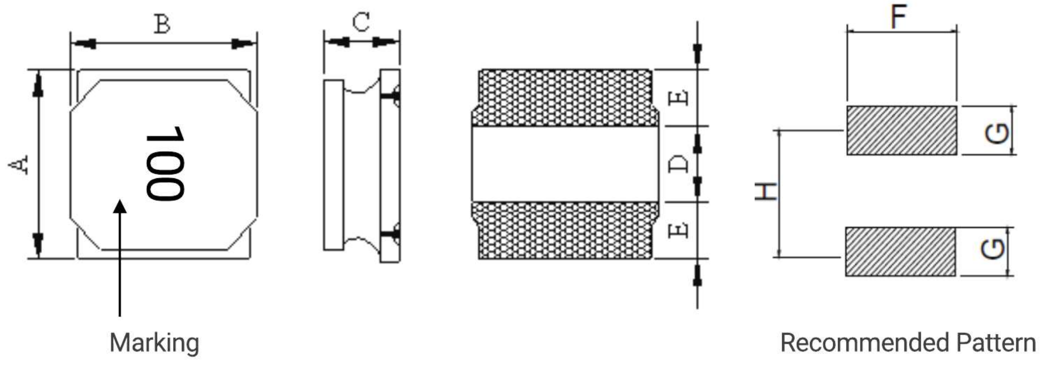
(2) **Product Dimension (L*W mm)**

(3) **Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)**

(4) **Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)**

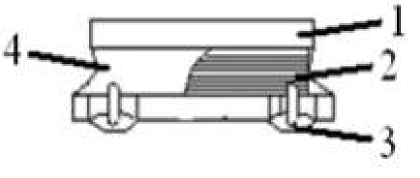
(5) **Lead Free Product**

Shape & Dimensions



Dimensions (mm)							
A	B	C	D	E	F	G	H
5.0±0.20	5.0±0.20	4.1Max.	2.0±0.3	1.5±0.2	4.0 Typ.	1.5 Typ.	3.6 Typ.

Material List



No.	Item	Material
1	Core	Ni-Zn Ferrite
2	Wire	Enameled Copper Wire
3	Terminal Electrode	Ag/Ni/Sn/Cu
4	Magnetic Glue	Epoxy resin and magnetic powder

Power Inductor Wire Wound(NR) Type

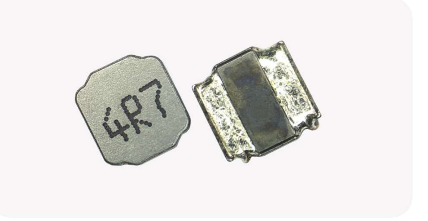
HPIT Series Ferrite 5040 Size

Electrical Characteristics

HPIT5040 Size

HONGDA Part No.	Inductance (uH)	DCR (Ω)		Isat (A)	
		Max.	Typ.	Max.	Typ.
HPIT5040-1R0M-LF	1.0 ±20%	0.015	0.012	8.20	8.60
HPIT5040-1R5M-LF	1.5 ±20%	0.019	0.015	6.50	7.10
HPIT5040-2R2M-LF	2.2 ±20%	0.024	0.019	5.80	6.30
HPIT5040-2R7M-LF	2.7 ±20%	0.028	0.022	5.00	5.40
HPIT5040-3R3M-LF	3.3 ±20%	0.031	0.024	4.60	5.20
HPIT5040-3R9M-LF	3.9 ±20%	0.035	0.027	4.00	4.40
HPIT5040-4R7M-LF	4.7 ±20%	0.039	0.030	4.00	4.30
HPIT5040-6R8M-LF	6.8 ±20%	0.053	0.041	3.20	3.50
HPIT5040-100M-LF	10 ±20%	0.074	0.057	2.70	3.00
HPIT5040-150M-LF	15 ±20%	0.112	0.086	2.20	2.40
HPIT5040-220M-LF	22 ±20%	0.168	0.129	1.75	1.90
HPIT5040-270M-LF	27 ±20%	0.194	0.162	1.50	1.63
HPIT5040-330M-LF	33 ±20%	0.244	0.188	1.30	1.50
HPIT5040-470M-LF	47 ±20%	0.350	0.270	1.15	1.30
HPIT5040-680M-LF	68 ±20%	0.520	0.400	0.90	1.05
HPIT5040-101M-LF	100 ±20%	0.660	0.550	0.85	1.00

Power Inductor Wire Wound(NR) Type



HPIT Series

Ferrite 6045 Size

Ordering Information

HPIT 6045 - 1R0 M - LF

(1) (2) (3) (4) (5)

(1) Series Name

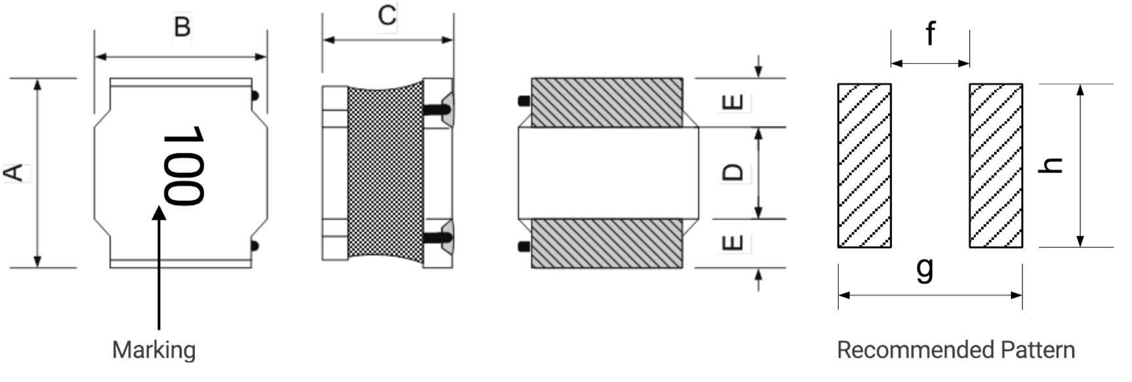
(2) Product Dimension (L*W mm)

(3) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

(4) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

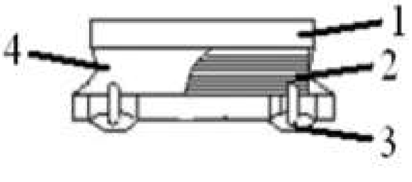
(5) Lead Free Product

Shape & Dimensions



Dimensions (mm)							
A	B	C	D	E	f	g	h
6.0±0.30	6.0±0.30	4.5Max.	2.9±0.3	1.55±0.3	2.8 Typ.	6.2 Typ.	5.7 Typ.

Material List



No.	Item	Material
1	Core	Ni-Zn Ferrite
2	Wire	Enameled Copper Wire
3	Terminal Electrode	Ag/Ni/Sn/Cu
4	Magnetic Glue	Epoxy resin and magnetic powder

Power Inductor Wire Wound(NR) Type

HPIT Series Ferrite 6045 Size

Electrical Characteristics

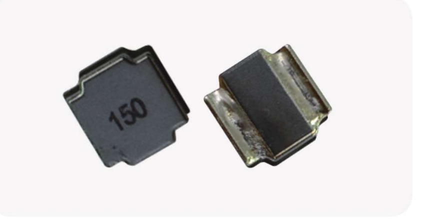
HPIT6045 Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(uH)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIT6045-R82M-LF	0.82 ±20%	0.011	0.008	13.00	15.00	5.75	6.35
HPIT6045-1R0M-LF	1.0 ±20%	0.011	0.008	12.00	13.00	6.50	7.50
HPIT6045-1R2M-LF	1.2 ±20%	0.013	0.010	11.00	12.50	5.50	6.05
HPIT6045-1R5M-LF	1.5 ±20%	0.013	0.010	10.00	11.50	5.50	6.05
HPIT6045-1R8M-LF	1.8 ±20%	0.016	0.012	9.50	10.50	4.85	5.60
HPIT6045-2R2M-LF	2.2 ±20%	0.018	0.014	9.00	10.50	4.60	5.00
HPIT6045-3R0M-LF	3.0 ±20%	0.024	0.018	8.00	9.00	4.00	4.40
HPIT6045-3R3M-LF	3.3 ±20%	0.024	0.018	8.00	9.00	4.00	4.40
HPIT6045-3R9M-LF	3.9 ±20%	0.025	0.021	6.20	6.80	3.90	4.30
HPIT6045-4R7M-LF	4.7 ±20%	0.034	0.026	6.00	7.50	3.80	4.20
HPIT6045-6R8M-LF	6.8 ±20%	0.040	0.031	5.50	6.20	3.00	3.30
HPIT6045-8R2M-LF	8.2 ±20%	0.045	0.038	4.50	5.00	2.85	3.15
HPIT6045-100M-LF	10 ±20%	0.056	0.046	4.20	4.80	2.75	3.00
HPIT6045-120M-LF	12 ±20%	0.065	0.050	4.00	4.50	2.50	2.75
HPIT6045-150M-LF	15 ±20%	0.085	0.065	3.50	3.80	2.10	2.30
HPIT6045-220M-LF	22 ±20%	0.116	0.089	3.20	3.50	1.80	2.00
HPIT6045-330M-LF	33 ±20%	0.175	0.135	2.40	2.60	1.45	1.60
HPIT6045-470M-LF	47 ±20%	0.260	0.200	2.20	2.30	1.20	1.30
HPIT6045-560M-LF	56 ±20%	0.286	0.220	1.70	1.90	1.15	1.25
HPIT6045-680M-LF	68 ±20%	0.325	0.250	1.65	1.80	1.10	1.20
HPIT6045-820M-LF	82 ±20%	0.408	0.340	1.40	1.50	1.05	1.15
HPIT6045-101M-LF	100 ±20%	0.468	0.390	1.30	1.40	1.00	1.10
HPIT6045-121M-LF	120 ±20%	0.585	0.450	1.10	1.20	0.90	1.02
HPIT6045-151M-LF	150 ±20%	0.740	0.570	0.95	1.15	0.80	0.91
HPIT6045-221M-LF	220 ±20%	1.050	0.880	0.70	1.00	0.50	0.60
HPIT6045-331M-LF	330 ±20%	1.464	1.220	0.70	0.77	0.58	0.64
HPIT6045-471M-LF	470 ±20%	2.300	1.770	0.53	0.60	0.45	0.50
HPIT6045-102M-LF	1000 ±20%	5.650	4.700	0.40	0.45	0.30	0.35

Power Inductor Wire Wound(NR) Type

HPIT Series

Ferrite 8040/8065 Size



Ordering Information

HPIT 8040 - 1R0 M - LF

(1) (2) (3) (4) (5)

(1) Series Name

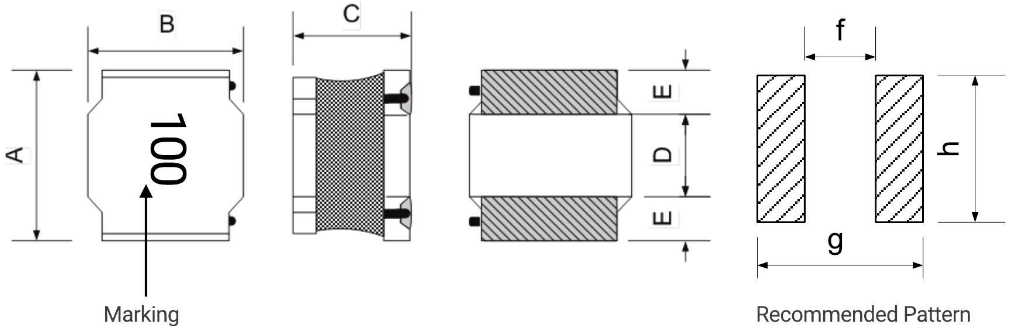
(2) Product Dimension (L*W mm)

(3) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

(4) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

(5) Lead Free Product

Shape & Dimensions

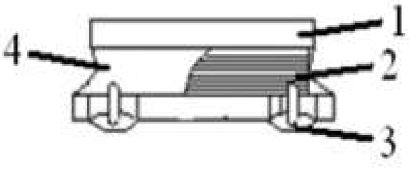


Marking

Recommended Pattern

Size	Dimensions (mm)							
	A	B	C	D	E	f	g	h
8040	8.00±0.30	8.00±0.30	4.20Max.	3.80±0.3	2.10±0.3	3.80 Typ.	8.20 Typ.	7.50 Typ.
8065	8.00±0.30	8.00±0.30	6.50Max.	3.80±0.3	2.10±0.3	3.80 Typ.	8.20 Typ.	7.50 Typ.

Material List



No.	Item	Material
1	Core	Ni-Zn Ferrite
2	Wire	Enameled Copper Wire
3	Terminal Electrode	Ag/Ni/Sn/Cu
4	Magnetic Glue	Epoxy resin and magnetic powder

Power Inductor Wire Wound(NR) Type
HPIT Series Ferrite 8040 Size

Electrical Characteristics

HPIT8040 Size

HONGDAPart No.	Inductance (uH)	DCR (Ω) Max.	DCR (Ω) Typ.	Isat (A) Max.	Irms (A) Max.	SRF (MHz)
HPIT8040-R47N-LF	0.47 ±30%	0.007	0.005	16.50	8.00	110.00
HPIT8040-R68N-LF	0.68 ±30%	0.007	0.005	15.50	8.00	104.00
HPIT8040-R82M-LF	0.82 ±20%	0.008	0.006	15.20	7.80	95.00
HPIT8040-R90M-LF	0.90 ±20%	0.008	0.006	11.00	7.80	92.00
HPIT8040-1R0M-LF	1.0 ±20%	0.008	0.006	12.00	7.80	90.00
HPIT8040-1R4M-LF	1.4 ±20%	0.009	0.007	9.00	7.00	68.00
HPIT8040-1R5M-LF	1.5 ±20%	0.010	0.008	10.00	7.00	67.00
HPIT8040-1R8M-LF	1.8 ±20%	0.012	0.009	9.50	6.30	48.00
HPIT8040-2R0M-LF	2.0 ±20%	0.012	0.009	9.25	6.30	42.00
HPIT8040-2R2M-LF	2.2 ±20%	0.016	0.012	8.30	5.15	41.00
HPIT8040-3R0M-LF	3.0 ±20%	0.018	0.014	7.10	4.95	30.00
HPIT8040-3R3M-LF	3.3 ±20%	0.020	0.015	7.52	4.90	28.00
HPIT8040-3R6M-LF	3.6 ±20%	0.020	0.015	7.52	4.90	30.00
HPIT8040-3R9M-LF	3.9 ±20%	0.022	0.017	6.30	4.35	26.00
HPIT8040-4R7M-LF	4.7 ±20%	0.023	0.018	6.00	4.10	23.00
HPIT8040-5R1M-LF	5.1 ±20%	0.025	0.019	6.00	4.10	23.00
HPIT8040-5R6M-LF	5.6 ±20%	0.027	0.021	6.00	3.85	24.00
HPIT8040-6R2M-LF	6.2 ±20%	0.027	0.021	5.10	3.85	20.00
HPIT8040-6R8M-LF	6.8 ±20%	0.031	0.024	4.95	3.70	20.00
HPIT8040-8R2M-LF	8.2 ±20%	0.034	0.026	4.30	3.45	17.00
HPIT8040-100M-LF	10 ±20%	0.038	0.029	4.30	3.30	15.00

Power Inductor Wire Wound(NR) Type
HPIT Series Ferrite 8040 Size

Electrical Characteristics

HPIT8040 Size

HONGDA Part No.	Inductance (uH)	DCR (Ω) Max.	DCR (Ω) Typ.	Isat (A) Max.	Irms (A) Max.	SRF (MHz)
HPIT8040-120M-LF	12 ±20%	0.053	0.041	3.55	2.85	12.00
HPIT8040-150M-LF	15 ±20%	0.061	0.047	3.25	2.60	12.00
HPIT8040-180M-LF	18 ±20%	0.068	0.052	3.10	2.45	11.00
HPIT8040-220M-LF	22 ±20%	0.086	0.066	2.80	2.20	9.50
HPIT8040-270M-LF	27 ±20%	0.101	0.078	2.60	2.00	9.00
HPIT8040-330M-LF	33 ±20%	0.125	0.096	2.20	1.80	8.00
HPIT8040-360M-LF	36 ±20%	0.133	0.102	2.10	1.75	7.80
HPIT8040-390M-LF	39 ±20%	0.133	0.102	2.10	1.75	7.80
HPIT8040-430M-LF	43 ±20%	0.147	0.113	1.90	1.65	7.50
HPIT8040-470M-LF	47 ±20%	0.177	0.136	1.80	1.55	6.50
HPIT8040-510M-LF	51 ±20%	0.185	0.142	1.70	1.50	6.40
HPIT8040-560M-LF	56 ±20%	0.192	0.148	1.65	1.45	6.40
HPIT8040-620M-LF	62 ±20%	0.237	0.182	1.55	1.30	6.30
HPIT8040-680M-LF	68 ±20%	0.252	0.194	1.50	1.25	5.00
HPIT8040-750M-LF	75 ±20%	0.274	0.211	1.40	1.20	4.90
HPIT8040-820M-LF	82 ±20%	0.293	0.225	1.30	1.15	5.70
HPIT8040-910M-LF	91 ±20%	0.354	0.272	1.20	1.05	5.00
HPIT8040-101M-LF	100 ±20%	0.377	0.290	1.20	1.00	4.20
HPIT8040-121M-LF	120 ±20%	0.428	0.329	1.15	0.95	3.50
HPIT8040-151M-LF	150 ±20%	0.533	0.410	1.10	0.85	3.50
HPIT8040-221M-LF	220 ±20%	0.702	0.540	0.85	0.80	3.50
HPIT8040-331M-LF	330 ±20%	1.066	0.820	0.70	0.65	2.80

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Power Inductor Wire Wound(NR) Type
HPIT Series Ferrite 8065 Size
Electrical Characteristics
HPIT8065 Size

HONGDA Part No.	Inductance	DCR (Ω)		Isat (A)		Irms (A)	
	(uH)	Max.	Typ.	Max.	Typ.	Max.	Typ.
HPIT8065-1R0M-LF	1.0 ±20%	0.011	0.008	20.00	22.00	7.30	8.00
HPIT8065-2R2M-LF	2.2 ±20%	0.016	0.013	15.00	18.00	6.30	7.00
HPIT8065-3R3M-LF	3.3 ±20%	0.018	0.015	9.70	10.50	5.20	6.00
HPIT8065-4R7M-LF	4.7 ±20%	0.022	0.018	8.50	9.50	5.00	5.70
HPIT8065-5R6M-LF	5.6 ±20%	0.026	0.022	8.50	9.50	4.60	5.50
HPIT8065-6R8M-LF	6.8 ±20%	0.028	0.024	7.50	8.30	4.50	5.10
HPIT8065-8R2M-LF	8.2 ±20%	0.031	0.026	7.00	8.00	4.40	4.80
HPIT8065-100M-LF	10 ±20%	0.043	0.036	6.50	7.50	3.50	4.00
HPIT8065-220M-LF	22 ±20%	0.065	0.054	4.50	5.00	2.90	3.30
HPIT8065-470M-LF	47 ±20%	0.144	0.120	3.00	3.50	2.05	2.30
HPIT8065-500M-LF	50 ±20%	0.132	0.110	3.00	3.50	2.10	2.30
HPIT8065-700M-LF	70 ±20%	0.180	0.150	2.50	2.80	1.80	2.00
HPIT8065-101M-LF	100 ±20%	0.280	0.233	2.10	2.50	1.35	1.50
HPIT8065-151M-LF	150 ±20%	0.430	0.350	1.70	2.00	1.00	1.15
HPIT8065-201M-LF	200 ±20%	0.640	0.533	1.65	1.80	0.95	1.00
HPIT8065-221M-LF	220 ±20%	0.649	0.541	1.40	1.60	0.90	0.95
HPIT8065-301M-LF	300 ±20%	0.818	0.682	1.30	1.50	0.85	0.90
HPIT8065-331M-LF	330 ±20%	0.840	0.700	1.10	1.30	0.80	0.90
HPIT8065-431M-LF	430 ±20%	1.200	1.000	1.00	1.15	0.65	0.70
HPIT8065-471M-LF	470 ±20%	1.500	1.250	1.00	1.20	0.60	0.68
HPIT8065-501M-LF	500 ±20%	1.550	1.290	1.00	1.10	0.60	0.65
HPIT8065-801M-LF	800 ±20%	2.400	2.000	0.80	0.90	0.55	0.60
HPIT8065-102M-LF	1000 ±20%	2.820	2.350	0.70	0.76	0.45	0.50
HPIT8065-152M-LF	1500 ±20%	4.380	3.650	0.54	0.61	0.35	0.38
HPIT8065-202M-LF	2000 ±20%	5.800	4.800	0.50	0.55	0.30	0.33
HPIT8065-222M-LF	2200 ±20%	6.000	5.000	0.45	0.51	0.27	0.31
HPIT8065-332M-LF	3300 ±20%	8.760	7.300	0.37	0.41	0.23	0.26
HPIT8065-472M-LF	4700 ±20%	14.520	12.150	0.32	0.35	0.19	0.21
HPIT8065-682M-LF	6800 ±20%	22.200	18.500	0.28	0.31	0.15	0.17

Power Inductor

Coil Type

Excellent Solderability • Low Cost • Magnetic Shield

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PDA

NOTEBOOK

MP3

DIGITAL CAMERA

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Power Inductor Coil Type (Whole Shield)

HDCDH Series

8D28/8D38/8D43 Size

Ordering Information

HDCDH 8D28 - 100 N - LF

(1) (2) (3) (4) (5)

(1) Series Name

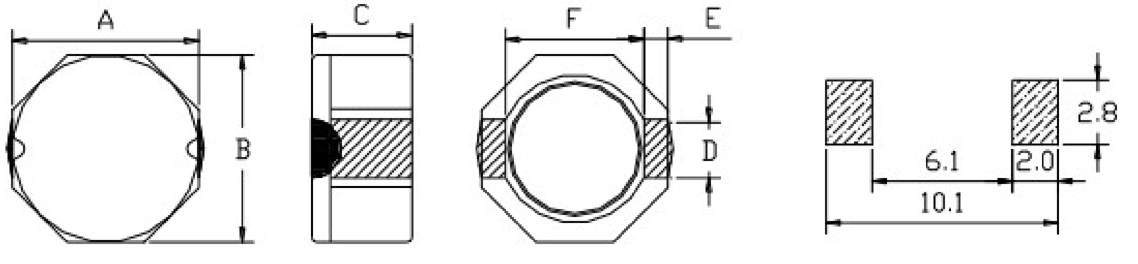
(2) Product Dimension (L*W mm)

(3) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

(4) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

(5) Lead Free Product

Shape & Dimensions



Size	Dimensions (mm)					
	A (Max.)	B (Max.)	C (Max.)	D	E	F
HDCDH8D28	8.3	8.3	3.0	2.5	1.2	5.9
HDCDH8D38	8.3	8.3	4.0	2.5	1.2	5.9
HDCDH8D43	8.3	8.3	4.5	2.5	1.2	5.9

Power Inductor Coil Type (Whole Shield)
HDCDH Series 8D28 Size

Electrical Characteristics

HDCDH8D28 Size

HONGDA Part No.	Inductance (uH) ±30%	DCR (Ω) Max.	Isat (A) Typ.	Irms (A) Typ.
HDCDH8D28-3R3N-LF	3.3	0.018	4.00	6.00
HDCDH8D28-4R7N-LF	4.7	0.025	3.40	4.50
HDCDH8D28-100N-LF	10	0.047	2.50	3.20
HDCDH8D28-150N-LF	15	0.069	1.90	2.35
HDSCDH8D28-220N-LF	22	0.099	1.60	1.85
HDCDH8D28-330N-LF	33	0.156	1.30	1.45
HDCDH8D28-470N-LF	47	0.195	1.15	1.30
HDCDH8D28-680N-LF	68	0.286	0.92	0.98
HDCDH8D28-101N-LF	100	0.430	0.75	0.80

Power Inductor Coil Type (Whole Shield)
HDCDH Series 8D38 Size

Electrical Characteristics

HDCDH8D38 Size

HONGDA Part No.	Inductance (uH) ±30%	DCR (Ω) Max.	Isat (A) Typ.	Irms (A) Typ.
HDCDH8D38-3R5N-LF	3.5	0.024	5.00	5.20
HDCDH8D38-4R7N-LF	4.7	0.029	4.60	4.40
HDCDH8D38-6R0N-LF	6	0.032	4.20	4.00
HDCDH8D38-100N-LF	10	0.047	3.00	3.20
HDCDH8D38-150N-LF	15	0.067	2.75	2.50
HDCDH8D38-220N-LF	22	0.105	1.75	2.00
HDCDH8D38-330N-LF	33	0.157	1.52	1.60
HDCDH8D38-470N-LF	47	0.189	1.30	1.42
HDCDH8D38-680N-LF	68	0.290	1.05	1.08
HDCDH8D38-101N-LF	100	0.410	0.75	0.88

Power Inductor Coil Type (Whole Shield)
HDCDH Series 8D43 Size
Electrical Characteristics

HDCDH8D43 Size

HONGDA Part No.	Inductance (uH) ±30%	DCR (Ω) Max.	Isat (A) Typ.	Irms (A) Typ.
HDCDH8D43-3R9N-LF	3.9	0.019	5.90	4.50
HDCDH8D43-4R7N-LF	4.7	0.022	5.60	4.10
HDCDH8D43-6R8N-LF	6.8	0.025	4.40	3.90
HDCDH8D43-100N-LF	10	0.036	4.00	3.20
HDCDH8D43-150N-LF	15	0.053	2.90	2.30
HDCDH8D43-220N-LF	22	0.075	2.60	1.80
HDCDH8D43-330N-LF	33	0.125	2.20	1.40
HDCDH8D43-470N-LF	47	0.150	1.80	1.30
HDCDH8D43-680N-LF	68	0.240	1.50	1.00
HDCDH8D43-101N-LF	100	0.360	1.30	0.80

Power Inductor Coil Type (Whole Shield)

HDCDRH Series

104/105 Size

Ordering Information

HDCDRH 104 - 100 N - LF

(1) (2) (3) (4) (5)

(1) Series Name

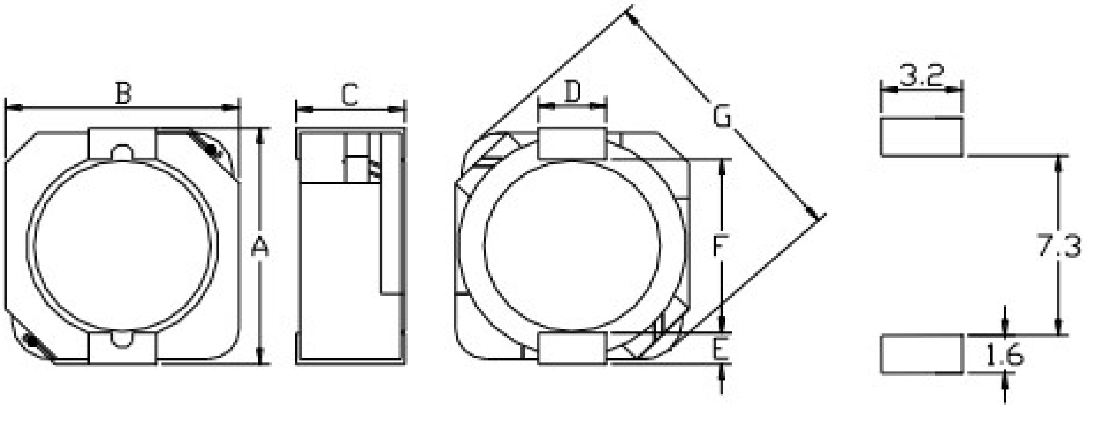
(2) Product Dimension (L*W mm)

(3) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

(4) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

(5) Lead Free Product

Shape & Dimensions



Size	Dimensions (mm)						
	A (Max.)	B (Max.)	C (Max.)	D	E	F	G (Max.)
HDCDRH104	10.5	10.3	4.2	3	1.2	7.7	13.5
HDCDRH105	10.5	10.3	5.1	3	1.2	7.7	13.5

Power Inductor Coil Type (Whole Shield)

HDCDRH104 Series

Electrical Characteristics

HDCDRH104 Size

HONGDA Part No.	Inductance (uH) ±30%	DCR (Ω) Max.	Isat (A) Typ.	Irms (A) Typ.
HDCDRH104-1R5N-LF	1.5	0.008	10.00	6.50
HDCDRH104-2R5N-LF	2.5	0.011	7.50	6.10
HDCDRH104-3R8N-LF	3.8	0.013	6.00	5.50
HDCDRH104-4R7N-LF	4.7	0.022	5.50	5.40
HDCDRH104-6R8N-LF	6.8	0.027	4.80	4.50
HDCDRH104-100N-LF	10	0.035	4.40	3.80
HDCDRH104-150N-LF	15	0.050	3.60	3.10
HDCDRH104-220N-LF	22	0.073	2.90	2.50
HDCDRH104-330N-LF	33	0.093	2.30	2.20
HDCDRH104-470N-LF	47	0.128	2.10	1.90
HDCDRH104-680N-LF	68	0.213	1.50	1.42
HDCDRH104-101N-LF	100	0.304	1.35	1.25
HDCDRH104-151N-LF	150	0.506	1.15	0.85
HDCDRH104-221N-LF	220	0.756	0.92	0.70
HDCDRH104-331N-LF	330	1.090	0.70	0.52

Power Inductor Coil Type (Whole Shield)
HDCDRH105 Series
Electrical Characteristics
HDCDRH105 Size

HONGDA Part No.	Inductance (uH) ±30%	DCR (Ω) Max.	Isat (A) Typ.	Irms (A) Typ.
HDCDRH105-100N-LF	10	0.026	4.45	4.50
HDCDRH105-150N-LF	15	0.041	3.60	3.40
HDCDRH105-180N-LF	18	0.046	3.20	3.10
HDCDRH105-220N-LF	22	0.061	2.95	2.90
HDCDRH105-330N-LF	33	0.084	2.40	2.50
HDCDRH105-390N-LF	39	0.106	2.30	2.25
HDCDRH105-470N-LF	47	0.130	2.00	2.00
HDCDRH105-680N-LF	68	0.201	1.65	1.60
HDCDRH105-820N-LF	82	0.227	1.50	1.45
HDCDRH105-101N-LF	100	0.253	1.35	1.35
HDCDRH105-121N-LF	120	0.303	1.28	1.18
HDCDRH105-151N-LF	150	0.370	1.12	1.10
HDCDRH105-181N-LF	180	0.419	1.04	1.00
HDCDRH105-221N-LF	220	0.500	0.94	0.94
HDCDRH105-271N-LF	270	0.672	0.84	0.80
HDCDRH105-331N-LF	330	0.812	0.75	0.73

Power Inductor Coil Type (Whole Shield)

HDSFD Series

2D11/2D11HP/4D18/4D28 /5D18/5D28/6D28 Size

Ordering Information

HDSFD 4D28 - 100 N - LF

(1) (2) (3) (4) (5)

(1) Series Name

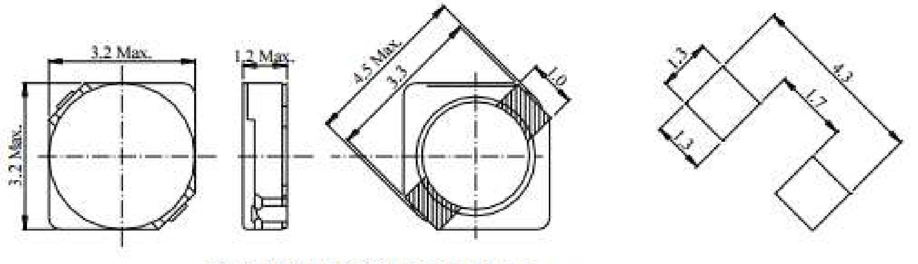
(2) Product Dimension (L*W mm)

(3) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

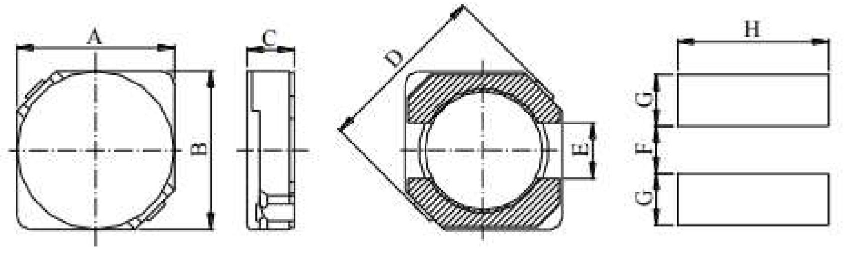
(4) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

(5) Lead Free Product

Shape & Dimensions



MGSFD2D11, MGSFD2D11HP Series



Size	Dimensions (mm)							
	A (Max.)	B (Max.)	C (Max.)	D (Max.)	E	F	G	H
HDSFD4D18	5.0	5.0	2.0	6.9	1.5	1.5	1.9	5.3
HDSFD4D28	5.0	5.0	3.0	6.9	1.5	1.5	1.9	5.3
HDSFD5D18	6.0	6.0	2.0	8.2	2.0	2.0	2.2	6.3
HDSFD5D28	6.0	6.0	3.0	8.2	2.0	2.0	2.2	6.3
HDSFD6D28	7.0	7.0	3.0	9.5	2.0	2.0	2.7	7.3

Power Inductor Coil Type(Whole Shield)
HDSFD2D11/2D11HP Series

Electrical Characteristics

HDSFD2D11 Size

HONGDA Part No.	Inductance (uH) ±30%	DCR (Ω) Max.	Isat (A)	Irms (A)
HDSFD2D11-1R5N-LF	1.5	0.068	0.90	1.48
HDSFD2D11-2R2N-LF	2.2	0.098	0.78	1.27
HDSFD2D11-3R3N-LF	3.3	0.123	0.60	1.02
HDSFD2D11-4R7N-LF	4.7	0.170	0.50	0.88
HDSFD2D11-6R8N-LF	6.8	0.260	0.44	0.80
HDSFD2D11-100N-LF	10	0.400	0.35	0.65

HDSFD2D11HP Size

HONGDA Part No.	Inductance (uH) ±30%	DCR (Ω) Max.	Isat (A)	Irms (A)
HDSFD2D11HP-1R5N-LF	1.5	0.080	1.35	1.60
HDSFD2D11HP-2R2N-LF	2.2	0.120	1.10	1.30
HDSFD2D11HP-3R3N-LF	3.3	0.173	0.90	0.90
HDSFD2D11HP-4R7N-LF	4.7	0.238	0.75	0.85
HDSFD2D11HP-6R8N-LF	6.8	0.371	0.63	0.65
HDSFD2D11HP-100N-LF	10	0.559	0.52	0.52

Power Inductor Coil Type(Whole Shield)

HDSFD4D18 Series

Electrical Characteristics

HDSFD4D18 Size

HONGDA Part No.	Inductance (uH) ±30%	DCR (Ω) Max.	Rated Current (A)
HDSFD4D18-1R0N-LF	1	0.045	1.72
HDSFD4D18-2R2N-LF	2.2	0.075	1.32
HDSFD4D18-3R3N-LF	3.3	0.110	1.04
HDSFD4D18-4R7N-LF	4.7	0.162	0.84
HDSFD4D18-8R2N-LF	8.2	0.245	0.68
HDSFD4D18-100N-LF	10	0.200	0.61
HDSFD4D18-120N-LF	12	0.210	0.56
HDSFD4D18-150N-LF	15	0.240	0.50
HDSFD4D18-180N-LF	18	0.338	0.48
HDSFD4D18-220N-LF	22	0.397	0.41
HDSFD4D18-270N-LF	27	0.441	0.35
HDSFD4D18-330N-LF	33	0.694	0.32
HDSFD4D18-470N-LF	47	0.922	0.28
HDSFD4D18-680N-LF	68	1.300	0.24
HDSFD4D18-820N-LF	82	1.560	0.22
HDSFD4D18-101N-LF	100	1.730	0.20

Power Inductor Coil Type (Whole Shield)
HDSFD4D28 Series
Electrical Characteristics
HDSFD4D28 Size

HONGDA Part No.	Inductance (uH) ±30%	DCR (Ω) Max.	Rated Current (A)
HDSFD4D28-1R2N-LF	1.2	0.024	2.56
HDSFD4D28-2R2N-LF	2.2	0.032	2.04
HDSFD4D28-3R3N-LF	3.3	0.050	1.57
HDSFD4D28-4R7N-LF	4.7	0.072	1.32
HDSFD4D28-6R8N-LF	6.8	0.109	1.12
HDSFD4D28-100N-LF	10	0.128	1.00
HDSFD4D28-150N-LF	15	0.149	0.76
HDSFD4D28-180N-LF	18	0.166	0.72
HDSFD4D28-220N-LF	22	0.235	0.70
HDSFD4D28-270N-LF	27	0.261	0.58
HDSFD4D28-330N-LF	33	0.331	0.56
HDSFD4D28-390N-LF	39	0.384	0.50
HDSFD4D28-470N-LF	47	0.587	0.48
HDSFD4D28-560N-LF	56	0.625	0.41
HDSFD4D28-680N-LF	68	0.699	0.35
HDSFD4D28-820N-LF	82	0.915	0.32
HDSFD4D28-101N-LF	100	1.020	0.29

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Power Inductor Coil Type (Whole Shield)

HDSFD5D18 Series

Electrical Characteristics

HDSFD5D18 Size

HONGDA Part No.	Inductance (uH) ±30%	DCR (Ω) Max.	Rated Current (A)
HDSFD5D18-4R1N-LF	4.1	0.057	1.95
HDSFD5D18-5R4N-LF	5.4	0.076	1.60
HDSFD5D18-6R2N-LF	6.2	0.096	1.40
HDSFD5D18-8R9N-LF	8.9	0.116	1.25
HDSFD5D18-100N-LF	10	0.124	1.20
HDSFD5D18-120N-LF	12	0.153	1.10
HDSFD5D18-150N-LF	15	0.196	0.97
HDSFD5D18-180N-LF	18	0.210	0.85
HDSFD5D18-220N-LF	22	0.290	0.80
HDSFD5D18-270N-LF	27	0.330	0.75
HDSFD5D18-330N-LF	33	0.385	0.65
HDSFD5D18-390N-LF	39	0.520	0.57
HDSFD5D18-470N-LF	47	0.595	0.54
HDSFD5D18-560N-LF	56	0.665	0.50
HDSFD5D18-680N-LF	68	0.840	0.43
HDSFD5D18-820N-LF	82	0.978	0.41
HDSFD5D18-101N-LF	100	1.200	0.36

Power Inductor Coil Type (Whole Shield)

HDSFD5D28 Series

Electrical Characteristics

HDSFD5D28 Size

HONGDA Part No.	Inductance (uH) ±30%	DCR (Ω) Max.	Rated Current (A)
HDSFD5D28-2R5N-LF	2.5	0.018	2.60
HDSFD5D28-3R0N-LF	3	0.024	2.40
HDSFD5D28-4R2N-LF	4.2	0.031	2.20
HDSFD5D28-5R3N-LF	5.3	0.038	1.90
HDSFD5D28-6R2N-LF	6.2	0.045	1.80
HDSFD5D28-8R2N-LF	8.2	0.053	1.60
HDSFD5D28-100N-LF	10	0.065	1.30
HDSFD5D28-120N-LF	12	0.076	1.20
HDSFD5D28-150N-LF	15	0.103	1.10
HDSFD5D28-180N-LF	18	0.110	1.00
HDSFD5D28-220N-LF	22	0.122	0.90
HDSFD5D28-270N-LF	27	0.175	0.8HD
HDSFD5D28-330N-LF	33	0.189	0.75
HDSFD5D28-390N-LF	39	0.212	0.70
HDSFD5D28-470N-LF	47	0.250	0.62
HDSFD5D28-560N-LF	56	0.305	0.58
HDSFD5D28-680N-LF	68	0.355	0.52
HDSFD5D28-820N-LF	82	0.463	0.46
HDSFD5D28-101N-LF	100	0.520	0.42

Power Inductor Coil Type (Whole Shield)

HDSFD6D28 Series

Electrical Characteristics

HDSFD6D28 Size

HONGDA Part No.	Inductance (uH) ±30%	DCR (Ω) Max.	Rated Current (A)
HDSFD6D28-3R0N-LF	3	0.024	3.00
HDSFD6D28-5R0N-LF	5	0.031	2.40
HDSFD6D28-6R0N-LF	6	0.035	2.25
HDSFD6D28-8R6N-LF	8.6	0.058	1.85
HDSFD6D28-100N-LF	10	0.065	1.70
HDSFD6D28-150N-LF	15	0.084	1.40
HDSFD6D28-180N-LF	18	0.095	1.32
HDSFD6D28-220N-LF	22	0.128	1.20
HDSFD6D28-330N-LF	33	0.165	0.97
HDSFD6D28-470N-LF	47	0.238	0.80
HDSFD6D28-560N-LF	56	0.277	0.73
HDSFD6D28-680N-LF	68	0.304	0.65
HDSFD6D28-820N-LF	82	0.390	0.60
HDSFD6D28-101N-LF	100	0.535	0.54

Power Inductor Coil Type (Whole Shield)

HDSDRH Series
73/74/124/125/127 Size

Ordering Information

HDSDRH 125 - 100 N - LF

(1) (2) (3) (4) (5)

(1) Series Name

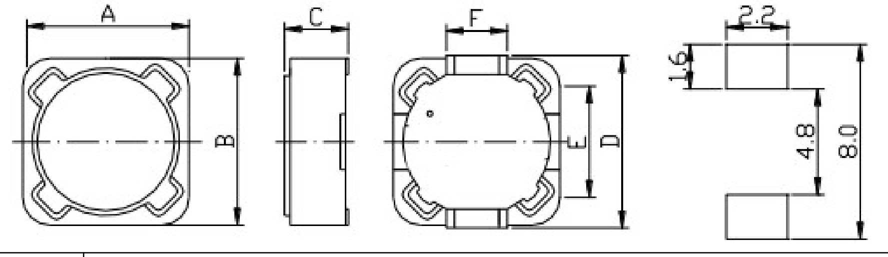
(2) Product Dimension (L*W mm)

(3) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

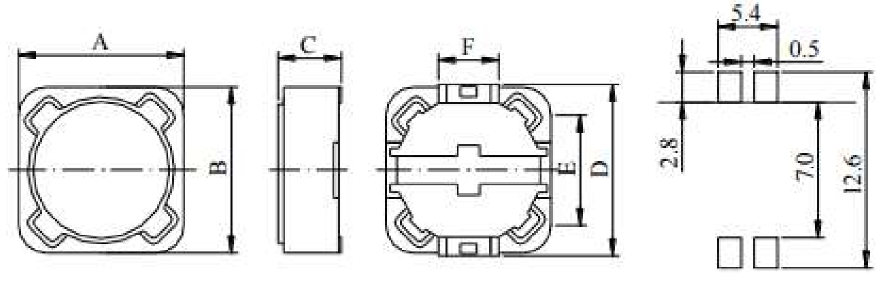
(4) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

(5) Lead Free Product

Shape & Dimensions



Size	Dimensions (mm)					
	A	B	C (Max.)	D	E	F
HDSDRH73	7.3 ±0.5	7.3±0.5	3.5	7.2	4.5	1.8
HDSDRH74	7.3 ±0.5	7.3±0.5	4.5	7.2	4.5	1.8



Size	Dimensions (mm)					
	A (Max.)	B (Max.)	C (Max.)	D	E	F
HDSDRH124	12.3	12.3	4.5	11.8	7.6	5.0
HDSDRH125	12.3	12.3	6.0	11.8	7.6	5.0
HDSDRH127	12.3	12.3	8.0	11.8	7.6	5.0

Power Inductor Coil Type (Whole Shield)

HDSDRH73 Series

Electrical Characteristics

HDSDRH73 Size

HONGDA Part No.	Inductance (uH) ±20%	Test Freq. (KHz)	DCR (Ω) Max.	Rated Current (A)
HDSDRH73-100M-LF	10	1	0.072	1.68
HDSDRH73-120M-LF	12	1	0.098	1.52
HDSDRH73-150M-LF	15	1	0.130	1.33
HDSDRH73-180M-LF	18	1	0.140	1.20
HDSDRH73-220M-LF	22	1	0.190	1.07
HDSDRH73-270M-LF	27	1	0.210	0.96
HDSDRH73-330M-LF	33	1	0.240	0.91
HDSDRH73-390M-LF	39	1	0.320	0.77
HDSDRH73-470M-LF	47	1	0.360	0.76
HDSDRH73-560M-LF	56	1	0.470	0.68
HDSDRH73-680M-LF	68	1	0.520	0.61
HDSDRH73-820M-LF	82	1	0.690	0.57
HDSDRH73-101M-LF	100	1	0.790	0.50
HDSDRH73-121M-LF	120	1	0.890	0.49
HDSDRH73-151M-LF	150	1	1.270	0.43
HDSDRH73-181M-LF	180	1	1.450	0.39
HDSDRH73-221M-LF	220	1	1.650	0.35
HDSDRH73-271M-LF	270	1	2.310	0.32
HDSDRH73-331M-LF	330	1	2.620	0.28
HDSDRH73-391M-LF	390	1	2.940	0.26
HDSDRH73-471M-LF	470	1	4.180	0.24
HDSDRH73-561M-LF	560	1	4.670	0.22
HDSDRH73-681M-LF	680	1	5.730	0.19
HDSDRH73-821M-LF	820	1	6.540	0.18
HDSDRH73-102M-LF	1000	1	9.440	0.16

Power Inductor Coil Type (Whole Shield)

HDSDRH74 Series

Electrical Characteristics

HDSDRH74 Size

HONGDA Part No.	Inductance (uH) ±20%	Test Freq. (KHz)	DCR (Ω) Max.	Rated Current (A)
HDSDRH74-100M-LF	10	100	0.049	1.84
HDSDRH74-120M-LF	12	100	0.058	1.71
HDSDRH74-150M-LF	15	100	0.081	1.47
HDSDRH74-180M-LF	18	100	0.091	1.31
HDSDRH74-220M-LF	22	100	0.110	1.23
HDSDRH74-270M-LF	27	100	0.150	1.12
HDSDRH74-330M-LF	33	100	0.170	0.96
HDSDRH74-390M-LF	39	100	0.230	0.91
HDSDRH74-470M-LF	47	100	0.260	0.88
HDSDRH74-560M-LF	56	100	0.350	0.75
HDSDRH74-680M-LF	68	100	0.380	0.69
HDSDRH74-820M-LF	82	100	0.430	0.61
HDSDRH74-101M-LF	100	100	0.610	0.60
HDSDRH74-121M-LF	120	100	0.660	0.52D
HDSDRH74-151M-LF	150	100	0.880	0.46
HDSDRH74-181M-LF	180	100	0.980	0.42
HDSDRH74-221M-LF	220	100	1.170	0.36
HDSDRH74-271M-LF	270	100	1.640	0.34
HDSDRH74-331M-LF	330	100	1.860	0.32
HDSDRH74-391M-LF	390	100	2.850	0.29
HDSDRH74-471M-LF	470	100	3.010	0.26
HDSDRH74-561M-LF	560	100	3.620	0.23
HDSDRH74-681M-LF	680	100	4.630	0.22
HDSDRH74-821M-LF	820	100	5.200	0.20
HDSDRH74-102M-LF	1000	100	6.000	0.18

Power Inductor Coil Type (Whole Shield)

HDSDRH124 Series

Electrical Characteristics

HDSDRH124 Size

HONGDA Part No.	Inductance (uH) ±20%	Test Freq. (KHz)	DCR (Ω) Max.	Rated Current (A)
HDSDRH124-3R9N-LF	3.9	100	0.015	6.50
HDSDRH124-4R7N-LF	4.7	100	0.018	5.70
HDSDRH124-6R8N-LF	6.8	100	0.023	4.90
HDSDRH124-8R2N-LF	8.2	100	0.026	4.60
HDSDRH124-100M-LF	10	100	0.028	4.50
HDSDRH124-120M-LF	12	100	0.038	4.00
HDSDRH124-150M-LF	15	100	0.050	3.20
HDSDRH124-180M-LF	18	100	0.057	3.10
HDSDRH124-220M-LF	22	100	0.066	2.90
HDSDRH124-270M-LF	27	100	0.080	2.80
HDSDRH124-330M-LF	33	100	0.097	2.70
HDSDRH124-390M-LF	39	100	0.132	2.10
HDSDRH124-470M-LF	47	100	0.150	1.90
HDSDRH124-560M-LF	56	100	0.190	1.80
HDSDRH124-680M-LF	68	100	0.220	1.50
HDSDRH124-820M-LF	82	100	0.260	1.30
HDSDRH124-101M-LF	100	100	0.308	1.20D
HDSDRH124-121M-LF	120	100	0.380	1.10
HDSDRH124-151M-LF	150	100	0.530	0.95
HDSDRH124-181M-LF	180	100	0.620	0.85
HDSDRH124-221M-LF	220	100	0.700	0.80
HDSDRH124-271M-LF	270	100	0.870	0.60
HDSDRH124-331M-LF	330	100	0.990	0.50

Power Inductor Coil Type (Whole Shield)
HDSDRH124 Series

Electrical Characteristics

HDSDRH125 Size

HONGDA Part No.	Inductance (uH) ±20%	Test Freq. (KHz)	DCR (Ω) Max.	Rated Current (A)
HDSDRH125-1R3N-LF	1.3 ±30%	100	0.012	8.00
HDSDRH125-2R1N-LF	2.1 ±30%	100	0.014	7.00
HDSDRH125-3R1N-LF	3.1 ±30%	100	0.017	6.00
HDSDRH125-4R4N-LF	4.4 ±30%	100	0.02	5.00
HDSDRH125-5R8N-LF	5.8 ±30%	100	0.021	4.40
HDSDRH125-7R5N-LF	7.5 ±30%	100	0.024	4.20
HDSDRH125-100M-LF	10 ±20%	1.0	0.025	4.00
HDSDRH125-120M-LF	12 ±20%	1.0	0.027	3.50
HDSDRH125-150M-LF	15 ±20%	1.0	0.03	3.30
HDSDRH125-180M-LF	18 ±20%	1.0	0.034	3.00
HDSDRH125-220M-LF	22 ±20%	1.0	0.036	2.80
HDSDRH125-270M-LF	27 ±20%	1.0	0.051	2.30
HDSDRH125-330M-LF	33 ±20%	1.0	0.057	2.10
HDSDRH125-390M-LF	39 ±20%	1.0	0.068	2.00
HDSDRH125-470M-LF	47 ±20%	1.0	0.075	1.80
HDSDRH125-560M-LF	56 ±20%	1.0	0.11	1.70
HDSDRH125-680M-LF	68 ±20%	1.0	0. 12	1.50
HDSDRH125-820M-LF	82 ±20%	1.0	0.14	1.40
HDSDRH125-101M-LF	100 ±20%	1.0	0.16	1.30
HDSDRH125-121M-LF	120 ±20%	1.0	0.17	1.10
HDSDRH125-151M-LF	150 ±20%	1.0	0.23	1.00
HDSDRH125-181M-LF	180 ±20%	1.0	0.29	0.90
HDSDRH125-221M-LF	220 ±20%	1.0	0.4	0.80
HDSDRH125-271M-LF	270 ±20%	1.0	0.46	0.75
HDSDRH125-331M-LF	330 ±20%	1.0	0.51	0.68
HDSDRH125-391M-LF	390 ±20%	1.0	0.69	0.65
HDSDRH125-471M-LF	470 ±20%	1.0	0.77	0.58
HDSDRH125-561M-LF	560 ±20%	1.0	0.86	0.54
HDSDRH125-681M-LF	680 ±20%	1.0	1.2	0.48
HDSDRH125-821M-LF	820 ±20%	1.0	1.34	0.43
HDSDRH125-102M-LF	1000 ±20%	1.0	1.53	0.40

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Power Inductor Coil Type (Whole Shield)
HDSDRH127 Series
Electrical Characteristics
HDSDRH127 Size

HONGDA Part No.	Inductance (uH) ±20%	Test Freq. (KHz)	DCR (Ω) Max.	Rated Current (A)
HDSDRH127-1R2N-LF	1.2 +40%~-20%	100	0.007	9.80
HDSDRH127-2R4N-LF	2.4 +40%~-20%	100	0.012	8.00
HDSDRH127-3R5N-LF	3.5 +40%~-20%	100	0.014	7.50
HDSDRH127-4R7N-LF	4.7 +40%~-20%	100	0.016	6.80
HDSDRH127-6R1N-LF	6.1 +40%~-20%	100	0.018	6.60
HDSDRH127-7R6N-LF	7.6 +40%~-20%	100	0.020	5.90
HDSDRH127-100M-LF	10 ±20%	1.0	0.022	5.40
HDSDRH127-120M-LF	12 ±20%	1.0	0.025	4.90
HDSDRH127-150M-LF	15 ±20%	1.0	0.030	4.50
HDSDRH127-180M-LF	18 ±20%	1.0	0.040	3.90
HDSDRH127-220M-LF	22 ±20%	1.0	0.044	3.60
HDSDRH127-270M-LF	27 ±20%	1.0	0.046	3.40
HDSDRH127-330M-LF	33 ±20%	1.0	0.065	3.00
HDSDRH127-390M-LF	39 ±20%	1.0	0.073	2.75
HDSDRH127-470M-LF	47 ±20%	1.0	0.100	2.50
HDSDRH127-560M-LF	56 ±20%	1.0	0.110	2.35
HDSDRH127-680M-LF	68 ±20%	1.0	0.140	2.10
HDSDRH127-820M-LF	82 ±20%	1.0	0.160	1.95
HDSDRH127-101M-LF	100 ±20%	1.0	0.220	1.70
HDSDRH127-121M-LF	120 ±20%	1.0	0.250	1.60
HDSDRH127-151M-LF	150 ±20%	1.0	0.280	1.42
HDSDRH127-181M-LF	180 ±20%	1.0	0.350	1.30
HDSDRH127-221M-LF	220 ±20%	1.0	0.390	1.16
HDSDRH127-271M-LF	270 ±20%	1.0	0.560	1.06
HDSDRH127-331M-LF	330 ±20%	1.0	0.640	0.95
HDSDRH127-391M-LF	390 ±20%	1.0	0.700	0.88
HDSDRH127-471M-LF	470 ±20%	1.0	0.980	0.79
HDSDRH127-561M-LF	560 ±20%	1.0	1.070	0.73
HDSDRH127-681M-LF	680 ±20%	1.0	1.460	0.67
HDSDRH127-821M-LF	820 ±20%	1.0	1.640	0.60
HDSDRH127-102M-LF	1000 ±20%	1.0	1.820	0.55

Power Inductor Coil Type (Whole Shield)

HDSL Series

0628/0645/0745/0755/10145/12555 Size

Ordering Information

HDSL 0755 - 100 M - LF

(1) (2) (3) (4) (5)

(1) Series Name

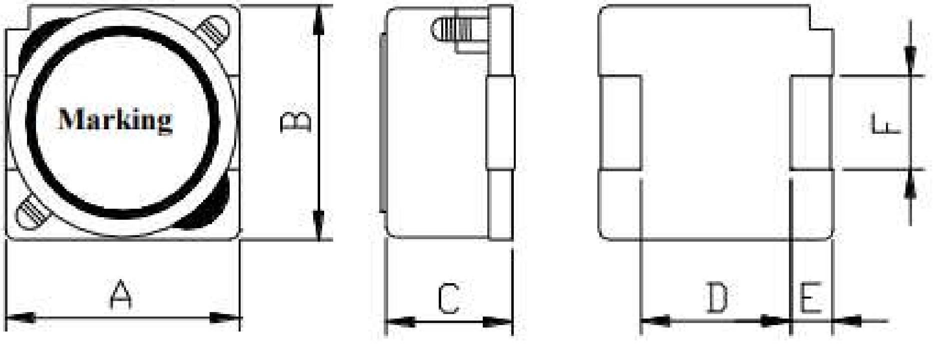
(2) Product Dimension (L*W mm)

(3) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

(4) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

(5) Lead Free Product

Shape & Dimensions



Size	Dimensions (mm)					
	A	B	C (Max.)	D (Typ.)	E (Ref.)	F
HDSL0628	6.0 ±0.3	6.0±0.3	3.0	4.0	0.9	2.0±0.1
HDSL0645	6.0 ±0.3	6.0±0.3	4.8	4.0	0.9	2.0±0.1
HDSL0745	7.0 ±0.3	7.0±0.3	4.8	4.9	0.9	2.0±0.1
HDSL0755	7.0 ±0.3	7.0±0.3	5.8	4.9	0.9	2.0±0.1
HDSL10145	10.1 ±0.3	10.1±0.3	4.8	6.0	2.0	3.0±0.1
HDSL12555	12.5 ±0.3	12.5±0.3	5.8	8.5	2.0	3.0±0.1

Power Inductor Coil Type (Whole Shield)
HDSL0628 Series
Electrical Characteristics
HDSL0628 Size

HONGDA Part No.	Inductance (uH)	Tolerance (±%)	Test Freq. (KHz)	DCR (Ω) Max.	Isat (A) Max.
HDSL0628-4R7 □-LF	4.7	±20%,30%	100	0.035	1.60
HDSL0628-6R8 □-LF	6.8	±20%,30%	100	0.043	1.50
HDSL0628-100 □-LF	10	±20%,30%	100	0.064	1.30
HDSL0628-150 □-LF	15	±20%,30%	100	0.090	1.00
HDSL0628-220 □-LF	22	±20%,30%	100	0.125	0.70
HDSL0628-330 □-LF	33	±20%,30%	100	0.178	0.69
HDSL0628-470 □-LF	47	±20%,30%	100	0.252	0.59
HDSL0628-680 □-LF	68	±20%,30%	100	0.348	0.50
HDSL0628-101 □-LF	100	±20%,30%	100	0.516	0.42

Power Inductor Coil Type (Whole Shield)

HDSL0645 Series

Electrical Characteristics

HDSL0645 Size

HONGDA Part No.	Inductance (uH)	Tolerance (±%)	Test Freq. (KHz)	DCR (Ω) Max.	Isat (A) Max.
HDSL0645-1R0 □-LF	1	±20%,30%	100	0.023	2.70
HDSL0645-1R5 □-LF	1.5	±20%,30%	100	0.026	2.30
HDSL0645-2R2 □-LF	2.2	±20%,30%	100	0.028	1.90
HDSL0645-3R3 □-LF	3.3	±20%,30%	100	0.035	1.80
HDSL0645-4R7 □-LF	4.7	±20%,30%	100	0.040	1.40
HDSL0645-6R8 □-LF	6.8	±20%,30%	100	0.045	1.20
HDSL0645-100 □-LF	10	±20%,30%	100	0.060	1.00
HDSL0645-120 □-LF	12	±20%,30%	100	0.065	0.90
HDSL0645-150 □-LF	15	±20%,30%	100	0.070	0.80
HDSL0645-180 □-LF	18	±20%,30%	100	0.090	0.70
HDSL0645-220 □-LF	22	±20%,30%	100	0.110	0.65
HDSL0645-270 □-LF	27	±20%,30%	100	0.138	0.60
HDSL0645-330 □-LF	33	±20%,30%	100	0.165	0.55
HDSL0645-390 □-LF	39	±20%,30%	100	0.195	0.50
HDSL0645-470 □-LF	47	±20%,30%	100	0.220	0.45
HDSL0645-560 □-LF	56	±20%,30%	100	0.255	0.40
HDSL0645-680 □-LF	68	±20%,30%	100	0.285	0.37
HDSL0645-820 □-LF	82	±20%,30%	100	0.365	0.33
HDSL0645-101 □-LF	100	±20%,30%	100	0.420	0.30

Power Inductor Coil Type (Whole Shield)
HDSL0745 Series
Electrical Characteristics
HDSL0745 Size

HONGDA Part No.	Inductance (uH)	Tolerance (±%)	Test Freq. (KHz)	DCR (Ω) Max.	Isat (A) Max.
HDSL0745-3R3 □-LF	3.3	±20%,30%	100	0.024	2.50
HDSL0745-4R7 □-LF	4.7	±20%,30%	100	0.036	2.00
HDSL0745-6R8 □-LF	6.8	±20%,30%	100	0.047	1.70
HDSL0745-100 □-LF	10	±20%,30%	100	0.055	1.30
HDSL0745-150 □-LF	15	±20%,30%	100	0.062	1.10
HDSL0745-220 □-LF	22	±20%,30%	100	0.073	0.90
HDSL0745-330 □-LF	33	±20%,30%	100	0.115	0.82
HDSL0745-470 □-LF	47	±20%,30%	100	0.150	0.75
HDSL0745-680 □-LF	68	±20%,30%	100	0.210	0.60
HDSL0745-101 □-LF	100	±20%,30%	100	0.300	0.50
HDSL0745-151 □-LF	150	±20%,30%	100	0.408	0.40
HDSL0745-221 □-LF	220	±20%,30%	100	0.624	0.33
HDSL0745-331 □-LF	330	±20%,30%	100	0.888	0.25
HDSL0745-471 □-LF	470	±20%,30%	100	1.260	0.22
HDSL0745-681 □-LF	680	±20%,30%	100	1.776	0.20
HDSL0745-102 □-LF	1000	±20%,30%	100	2.736	0.14

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Power Inductor Coil Type (Whole Shield)
HDSL0755 Series

Electrical Characteristics

HDSL0755 size

HONGDA Part No.	Inductance (uH)	Tolerance (±%)	Test Freq. (KHz)	DCR (Ω) Max.	Isat (A) Max.
HDSL0755-1R0 □-LF	1	±20%,30%	100	0.019	7.00
HDSL0755-1R8 □-LF	1.8	±20%,30%	100	0.023	6.00
HDSL0755-2R2 □-LF	2.2	±20%,30%	100	0.029	4.80
HDSL0755-4R7 □-LF	4.7	±20%,30%	100	0.037	3.30
HDSL0755-100 □-LF	10	±20%,30%	100	0.047	2.50
HDSL0755-150 □-LF	15	±20%,30%	100	0.061	2.20
HDSL0755-220 □-LF	22	±20%,30%	100	0.072	1.70
HDSL0755-330 □-LF	33	±20%,30%	100	0.105	1.40
HDSL0755-470 □-LF	47	±20%,30%	100	0.156	1.20
HDSL0755-680 □-LF	68	±20%,30%	100	0.240	1.00
HDSL0755-101 □-LF	100	±20%,30%	100	0.352	0.70
HDSL0755-221 □-LF	220	±20%,30%	100	0.660	0.55

Power Inductor Coil Type (Whole Shield)

HDSL10145 Series

Electrical Characteristics

HDSL10145 Size

HONGDA Part No.	Inductance (uH)	Tolerance (±%)	Test Freq. (KHz)	DCR (Ω) Max.	Isat (A) Max.
HDSL10145-3R3 □-LF	3.3	±20%,30%	1	0.020	4.90
HDSL10145-5R6 □-LF	5.6	±20%,30%	1	0.027	3.80
HDSL10145-100 □-LF	10	±20%,30%	1	0.044	3.00
HDSL10145-150 □-LF	15	±20%,30%	1	0.057	2.40
HDSL10145-220 □-LF	22	±20%,30%	1	0.071	2.10
HDSL10145-330 □-LF	33	±20%,30%	1	0.098	1.60
HDSL10145-470 □-LF	47	±20%,30%	1	0.121	1.40
HDSL10145-680 □-LF	68	±20%,30%	1	0.168	1.20
HDSL10145-101 □-LF	100	±20%,30%	1	0.240	1.00
HDSL10145-151 □-LF	150	±20%,30%	1	0.420	0.79
HDSL10145-221 □-LF	220	±20%,30%	1	0.564	0.65
HDSL10145-331 □-LF	330	±20%,30%	1	0.816	0.54
HDSL10145-471 □-LF	470	±20%,30%	1	1.236	0.47
HDSL10145-681 □-LF	680	±20%,30%	1	1.920	0.38
HDSL10145-102 □-LF	1000	±20%,30%	1	3.360	0.32

Power Inductor Coil Type (Whole Shield)

HDSL12555 Series

Electrical Characteristics

HDSL12555 Size

HONGDA Part No.	Inductance (uH)	Tolerance (±%)	Test Freq. (KHz)	DCR (Ω) Max.	Isat (A) Max.
HDSL12555-3R3 □-LF	3.3	±20%,30%	1	0.016	4.00
HDSL12555-5R6 □-LF	5.6	±20%,30%	1	0.020	3.60
HDSL12555-100 □-LF	10	±20%,30%	1	0.026	3.40
HDSL12555-150 □-LF	15	±20%,30%	1	0.032	2.80
HDSL12555-220 □-LF	22	±20%,30%	1	0.041	2.30
HDSL12555-330 □-LF	33	±20%,30%	1	0.050	1.90
HDSL12555-470 □-LF	47	±20%,30%	1	0.075	1.60
HDSL12555-680 □-LF	68	±20%,30%	1	0.100	1.30
HDSL12555-101 □-LF	100	±20%,30%	1	0.140	1.10
HDSL12555-151 □-LF	150	±20%,30%	1	0.228	0.88
HDSL12555-221 □-LF	220	±20%,30%	1	0.324	0.72
HDSL12555-331 □-LF	330	±20%,30%	1	0.492	0.59
HDSL12555-471 □-LF	470	±20%,30%	1	0.624	0.49
HDSL12555-681 □-LF	680	±20%,30%	1	0.912	0.43
HDSL12555-102 □-LF	1000	±20%,30%	1	1.344	0.34

Power Inductor Coil Type (No Shield)

HDSD Series
32/43/54/75 Size

Ordering Information

HDSD 32 - 3R3 M - LF

(1) (2) (3) (4) (5)

(1) Series Name

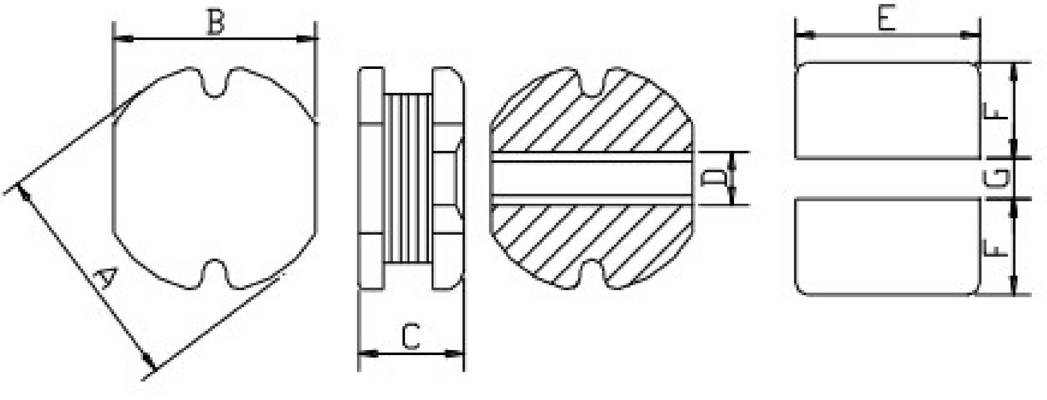
(2) Product Dimension (L*W mm)

(3) Inductance Value (1R0:1.0uH / 100:10uH / 101:100uH)

(4) Inductance Tolerance (K: ± 10% / M: ± 20% / N: ± 30%)

(5) Lead Free Product

Shape & Dimensions



Size	Dimensions (mm)						
	A	B	C	D	E	F	G
HDSD32	3.5 ±0.3	3.0±0.3	2.1±0.3	1.0 Ref.	3.5	1.3	1.0
HDSD43	4.5 ±0.3	4.0±0.3	3.2±0.3	1.6 Ref.	4.5	1.8	1.5
HDSD54	5.8 ±0.3	5.2±0.3	4.5±0.5	2.0 Ref.	5.8	2.2	1.7
HDSD75	7.8 ±0.3	7.0±0.3	5.0±0.5	2.4 Ref.	7.5	3.0	2.0

Power Inductor Coil Type (No Shield)
HDSD32 Series
Electrical Characteristics
HDSD32 Size

HONGDA Part No.	Inductance (uH)	Tolerance (±%)	Test Freq. (KHz)	DCR (Ω) Max.	Rated Current (A)
HDSD32-1R0M-LF	1	±20%	100	0.07	2.100
HDSD32-2R2M-LF	2.2	±20%	100	0.10	1.280
HDSD32-3R3M-LF	3.3	±20%	100	0.14	1.180
HDSD32-4R7M-LF	4.7	±20%	100	0.17	1.040
HDSD32-6R8M-LF	6.8	±20%	100	0.20	0.880
HDSD32-100K-LF	10	±10%	100	0.23	0.760
HDSD32-150K-LF	15	±10%	100	0.31	0.635
HDSD32-220K-LF	22	±10%	100	0.47	0.500
HDSD32-270K-LF	27	±10%	100	0.66	0.405
HDSD32-330K-LF	33	±10%	100	0.76	0.380
HDSD32-390K-LF	39	±10%	100	0.85	0.355
HDSD32-470K-LF	47	±10%	100	0.97	0.330
HDSD32-560K-LF	56	±10%	100	1.25	0.290
HDSD32-680K-LF	68	±10%	100	1.45	0.275

Power Inductor Coil Type (No Shield)

HDSD43 Series

Electrical Characteristics

HDSD43 Size

HONGDA Part No.	Inductance (uH)	Tolerance (±%)	Test Freq. (KHz)	DCR (Ω) Max.	Rated Current (A)
HDSD43-1R0M-LF	1.0	±20%	100	0.04	3.80
HDSD43-2R2M-LF	2.2	±20%	100	0.05	2.60
HDSD43-3R3M-LF	3.3	±20%	100	0.06	2.15
HDSD43-4R7M-LF	4.7	±20%	100	0.10	1.70
HDSD43-6R8M-LF	6.8	±20%	100	0.12	1.43
HDSD43-100M-LF	10	±20%	100	0.19	1.15
HDSD43-150M-LF	15	±20%	100	0.24	0.92
HDSD43-180M-LF	18	±20%	100	0.34	0.84
HDSD43-220M-LF	22	±20%	100	0.38	0.76
HDSD43-270M-LF	27	±20%	100	0.53	0.71
HDSD43-330K-LF	33	±10%	100	0.54	0.64
HDSD43-390K-LF	39	±10%	100	0.59	0.59
HDSD43-470K-LF	47	±10%	100	0.85	0.54
HDSD43-680K-LF	68	±10%	100	1.17	0.48

Power Inductor Coil Type(No Shield)

HDSD54 Series

Electrical Characteristics

HDSD54 Size

HONGDA Part No.	Inductance (uH)	Tolerance (±%)	Test Freq. (KHz)	DCR (Ω) Max.	Rated Current (A)
HDSD54-100M-LF	10	±20%	100	0.10	1.440
HDSD54-120M-LF	12	±20%	100	0.12	1.400
HDSD54-150M-LF	15	±20%	100	0.14	1.300
HDSD54-180M-LF	18	±20%	100	0.15	1.230
HDSD54-220M-LF	22	±20%	100	0.18	1.110
HDSD54-270M-LF	27	±20%	100	0.20	0.970
HDSD54-330L-LF	33	±15%	100	0.23	0.880
HDSD54-390L-LF	39	±15%	100	0.32	0.800
HDSD54-470L-LF	47	±15%	100	0.37	0.720
HDSD54-560K-LF	56	±10%	100	0.42	0.680
HDSD54-680K-LF	68	±10%	100	0.46	0.610
HDSD54-820K-LF	82	±10%	100	0.60	0.580
HDSD54-101K-LF	100	±10%	100	0.70	0.520
HDSD54-121K-LF	120	±10%	100	0.93	0.480
HDSD54-151K-LF	150	±10%	100	1.10	0.400
HDSD54-181K-LF	180	±10%	100	1.38	0.380
HDSD54-221K-LF	220	±10%	100	1.57	0.350

Power Inductor Coil Type(No Shield)
HDSD75 Series

Electrical Characteristics

HDSD75 Size

HONGDA Part No.	Inductance (uH)	Tolerance (±%)	Test Freq. (KHz)	DCR (Ω) Max.	Rated Current (A)
HDSD75-100K-LF	10	±10%	100	0.07	2.300
HDSD75-150K-LF	15	±10%	100	0.09	1.800
HDSD75-220K-LF	22	±10%	100	0.11	1.500
HDSD75-270K-LF	27	±10%	100	0.12	1.300
HDSD75-330K-LF	33	±10%	100	0.13	1.200
HDSD75-470K-LF	47	±10%	100	0.18	1.100
HDSD75-680K-LF	68	±10%	100	0.28	0.850
HDSD75-820K-LF	82	±10%	100	0.37	0.780
HDSD75-101K-LF	100	±10%	100	0.43	0.720
HDSD75-151K-LF	150	±10%	100	0.64	0.580
HDSD75-181K-LF	180	±10%	100	0.71	0.510
HDSD75-221K-LF	220	±10%	100	0.96	0.490
HDSD75-271K-LF	270	±10%	100	1.11	0.420
HDSD75-331K-LF	330	±10%	100	1.26	0.400
HDSD75-391K-LF	390	±10%	100	1.77	0.360
HDSD75-471K-LF	470	±10%	100	1.96	0.340

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