

Power Inductor Coil Type (No Shield)

HDSD Series

32/43/54/75/105 Size



Ordering Information

HDSD **32** - **1R0** **M** - **LF**
(1) (2) (3) (4) (5)

(1) Series Name

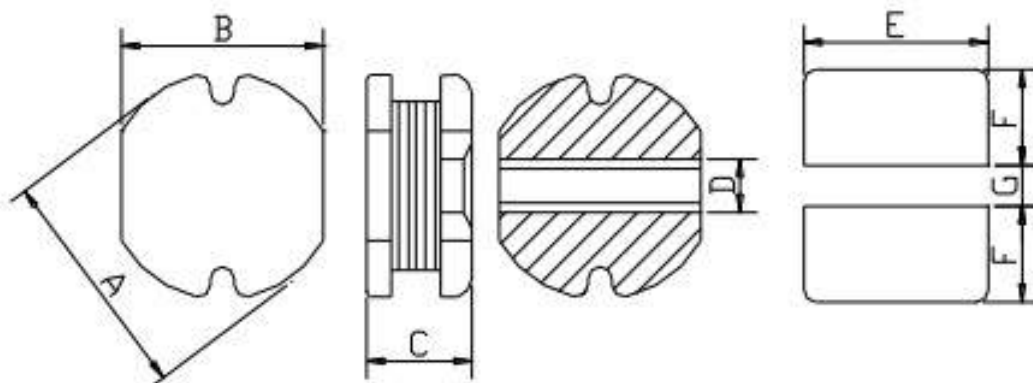
(2) Product Dimension (L*W mm)

(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
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	1.9	1.3
HDSD54	5.8 ±0.3	5.2±0.3	4.5±0.3	2.0 Ref.	5.5	2.5	1.5
HDSD75	7.8 ±0.3	7.0±0.5	5.0±0.5	2.4 Ref.	7.5	3.0	2.0
HDSD105	10.0±0.3	9.0±0.5	5.4±0.5	2.9 Ref.	9.5	2.5	3.75

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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	2.10
HDSD32-2R2M-LF	2.2	±20%	100	0.10	1.28
HDSD32-3R3M-LF	3.3	±20%	100	0.14	1.18
HDSD32-4R7M-LF	4.7	±20%	100	0.17	1.04
HDSD32-6R8M-LF	6.8	±20%	100	0.20	0.88
HDSD32-100K-LF	10	±10%	100	0.23	0.76
HDSD32-150K-LF	15	±10%	100	0.31	0.635
HDSD32-220K-LF	22	±10%	100	0.47	0.50
HDSD32-270K-LF	27	±10%	100	0.66	0.405
HDSD32-330K-LF	33	±10%	100	0.76	0.38
HDSD32-390K-LF	39	±10%	100	0.85	0.355
HDSD32-470K-LF	47	±10%	100	0.97	0.33
HDSD32-560K-LF	56	±10%	100	1.25	0.29
HDSD32-680K-LF	68	±10%	100	1.45	0.275
HDSD32-471K-LF	470	±10%	100	11.48	0.05

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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
HDSD43-331K-LF	330	±10%	100	5.30	0.28
HDSD43-680M-LF	68	±20%	100	0.945	0.50
HDSD43-181M-LF	180	±20%	100	3.20	0.38
HDSD43-102M-LF	1000	±20%	100	15.60	0.14

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HDSD54 Series

Electrical Characteristics

HDSD54 Size

HONGDA Part No.	Inductance (uH)	Tolerance (±%)	Test Freq. (KHz)	DCR (Ω) Max.	Rated Current (A)
HDSD54-4R7M-LF	4R7	±20%	100	0.06	2.80
HDSD54-100M-LF	10	±20%	100	0.075	2.00
HDSD54-120M-LF	12	±20%	100	0.12	1.40
HDSD54-150M-LF	15	±20%	100	0.14	1.30
HDSD54-180M-LF	18	±20%	100	0.15	1.23
HDSD54-220M-LF	22	±20%	100	0.18	1.11
HDSD54-270M-LF	27	±20%	100	0.20	0.97
HDSD54-330L-LF	33	±15%	100	0.23	0.88
HDSD54-390L-LF	39	±15%	100	0.32	0.80
HDSD54-470K-LF	47	±10%	100	0.37	0.72
HDSD54-470L-LF	47	±15%	100	0.37	0.72
HDSD54-560K-LF	56	±10%	100	0.42	0.68
HDSD54-680K-LF	68	±10%	100	0.46	0.61
HDSD54-820K-LF	82	±10%	100	0.60	0.58
HDSD54-101K-LF	100	±10%	100	0.70	0.52
HDSD54-121K-LF	120	±10%	100	0.93	0.48
HDSD54-151K-LF	150	±10%	100	1.10	0.40
HDSD54-181K-LF	180	±10%	100	1.38	0.38
HDSD54-221K-LF	220	±10%	100	1.57	0.35
HDSD54-821K-LF	820	±10%	100	4.8	0.21

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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	2.30
HDSD75-150K-LF	15	±10%	100	0.09	1.80
HDSD75-220K-LF	22	±10%	100	0.11	1.50
HDSD75-270K-LF	27	±10%	100	0.12	1.30
HDSD75-330K-LF	33	±10%	100	0.13	1.20
HDSD75-470K-LF	47	±10%	100	0.18	1.10
HDSD75-680K-LF	68	±10%	100	0.28	0.85
HDSD75-820K-LF	82	±10%	100	0.37	0.78
HDSD75-101K-LF	100	±10%	100	0.43	0.72
HDSD75-151K-LF	150	±10%	100	0.64	0.58
HDSD75-181K-LF	180	±10%	100	0.71	0.51
HDSD75-221K-LF	220	±10%	100	0.96	0.49
HDSD75-271K-LF	270	±10%	100	1.11	0.42
HDSD75-331K-LF	330	±10%	100	1.26	0.40
HDSD75-391K-LF	390	±10%	100	1.77	0.36
HDSD75-471K-LF	470	±10%	100	1.96	0.34
HDSD75-102K-LF	1000	±10%	100	3.30	0.30
HDSD75-122K-LF	1200	±10%	100	4.80	0.25



Power Inductor Coil Type(No Shield)

HDSD105 Series

Electrical Characteristics

HDSD105 Size

HONGDA Part No.	Inductance	Tolerance	Test Freq.	DCR (Ω)	Rated Current
	(μ H)	($\pm\%$)	(KHz)	Max.	(A)
HDSD105-330K-LF	33	$\pm 10\%$	100	0.12	0.80
HDSD105-470K-LF	47	$\pm 10\%$	100	0.17	1.30
HDSD105-680K-LF	68	$\pm 10\%$	100	0.22	1.45
HDSD105-101K-LF	100	$\pm 10\%$	100	0.35	0.97
HDSD105-102K-LF	1000	$\pm 10\%$	100	2.70	0.32