

SPECIFICATION OF BSF1004LPHD SERIES

FEATURES

1. High performance (Isat) realized by metal dust core.
2. Low Profile to thickness 4mm.
3. Low loss with low DCR.
4. RoHS compliant.



APPLICATIONS

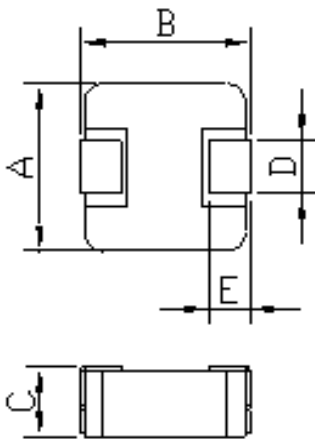
DC/DC Converter for CPU in Notebook PC.
Graphic Card , VRM , POL , DSC , Mobile Phone ,
LCD panel , LCD TV , HD.



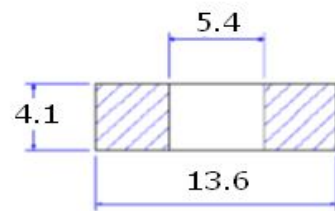
ORDERING CODE

BSF1004LPHD R47 M T
(1) (2) (3)(4)

- (1) PRODUCT TYPE CODE AND SIZE CODE
- (2) INDUCTANCE
- (3) INDUCTANCE TOLERANCE (M : ±20%, N : ±30%)
- (4) REEL TAPING



Unit: mm



LAND PATTERN

SHAPE & DIMENSIONS

SIZE CODE	A mm	B mm	C mm	D mm	E mm				
BSF1004LPHD	10.0±0.3	11.5max	3.8±0.2	3.0±0.5	2.0±0.5				

※All the data listed in this catalogue are for reference only, King Core reserves the right to alter or revise the specifications without prior notification.

SMD POWER INDUCTORS → BSF1004LPHD SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μH)	DC Resistance ($\text{m}\Omega$)max	Isat (A)TYP	IDC (A)TYP
BSF1004LPHDR15MT	0.15	0.65	75.0	45.0
BSF1004LPHDR22MT	0.22	1.0	60.0	35.0
BSF1004LPHDR30MT	0.30	1.1	50.0	35.0
BSF1004LPHDR36MT	0.36	1.2	50.0	30.0
BSF1004LPHDR47MT	0.47	1.7	40.0	30.0
BSF1004LPHDR56MT	0.56	1.8	33.0	25.0
BSF1004LPHDR68MT	0.68	2.4	30.0	23.0
BSF1004LPHD1R0MT	1.0	3.3	28.0	19.0
BSF1004LPHD1R5MT	1.5	4.2	26.0	16.0
BSF1004LPHD2R2MT	2.2	7.0	18.0	12.0
BSF1004LPHD3R3MT	3.3	11.8	16.0	11.0
BSF1004LPHD4R7MT	4.7	20.0	15.0	9.0
BSF1004LPHD6R8MT	6.8	25.0	12.0	8.5
BSF1004LPHD8R2MT	8.2	27.0	9.0	8.0
BSF1004LPHD100MT	10.0	30.0	8.5	7.8
BSF1004LPHD150MT	15.0	45.0	7.0	6.5
BSF1004LPHD220MT	22.0	66.0	5.5	5.0
BSF1004LPHD330MT	33.0	92.0	5.0	4.4
BSF1004LPHD470MT	47.0	145.0	3.5	3.3
BSF1004LPHD680MT	68.0	195.0	3.0	2.5
BSF1004LPHD101MT	100.0	350.0	2.3	2.2

※Test Frequency : 100KHz/1V

※Isat: Based on Inductance decrease 30%

※IDC: Based on Temperature increase 40°C

※Operating temperature range : -55°C ~ +125°C (including self-heating)

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