

SPECIFICATION OF BSF□□□□LQHMU SERIES

FEATURES

1. Low profile construction and miniature size.
2. Magnetic shielded construction.
3. High current saturation.
4. For new generation portable product D/D converter unit.



APPLICATIONS

DVD · DSC · PDA · LCD display ·
Smart phones · HDD · etc.



ORDERING CODE

BSF3010LQHMU 1R0 N T
(1) (2) (3) (4)

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

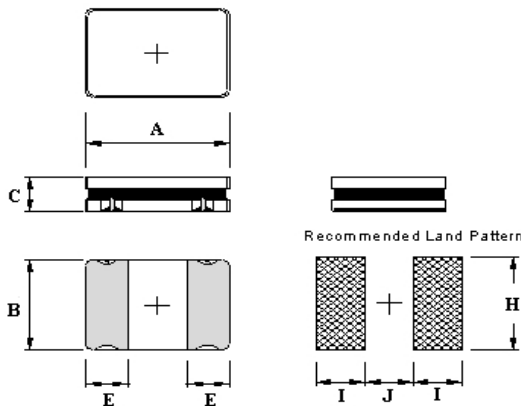


FIG 1

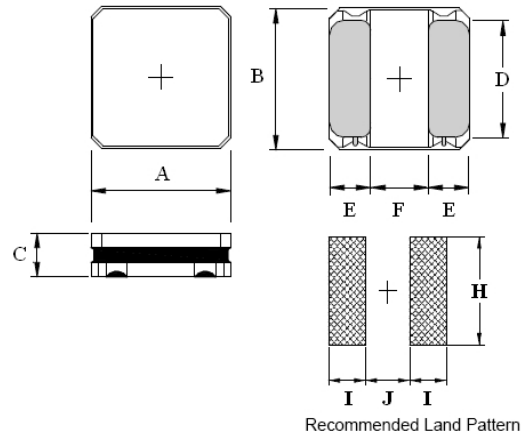


FIG 2

SHAPE & DIMENSIONS

SIZE CODE	A ±0.1	B ±0.1	C (max)	D (Typ.)	E ±0.2	F ±0.2	H	I	J	FIG
BSF3010LQHMU	3.0	3.0	1.0	2.7	0.9	1.2	2.7	1.0	1.2	2
BSF3015LQHMU	3.0	3.0	1.5	2.7	0.9	1.2	2.7	1.0	1.2	2

※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 → BSF3010LQHMU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μ H)	DC Resistance (Ω)max	Self Resonant Frequency (MHz)min	Isat (A)max	IDC (A)max
BSF3010LQHMU1R0NT	1.0	0.078	180	1.70	1.525
BSF3010LQHMU1R5NT	1.5	0.096	140	1.40	1.470
BSF3010LQHMU2R2MT	2.2	0.114	100	1.25	1.270
BSF3010LQHMU3R3MT	3.3	0.192	80	0.90	1.130
BSF3010LQHMU4R7MT	4.7	0.228	60	0.85	0.925
BSF3010LQHMU6R8MT	6.8	0.360	50	0.66	0.710
BSF3010LQHMU100MT	10	0.540	45	0.53	0.630
BSF3010LQHMU150MT	15	0.888	35	0.42	0.475
BSF3010LQHMU220MT	22	1.176	25	0.36	0.430
BSF3010LQHMU330MT	33	1.860	24	0.28	0.345
BSF3010LQHMU470MT	47	2.400	19	0.24	0.270

※Test Frequency: 1MHz/0.1V

※Tolerance: M \pm 20%, N \pm 30%

※Isat:Based on Inductance decrease 30%

※IDC:Based on Temperature increase 40°C

※Operating temperature range : -40 to +125°C (including self-heating)

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SMD POWER INDUCTORS → BSF3015LQHMU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μ H)	DC Resistance (Ω)max	Self Resonant Frequency (MHz)min	Isat (A)max	IDC (A)max
BSF3015LQHMU1R0NT	1.0	0.048	145	2.10	2.10
BSF3015LQHMU1R5NT	1.5	0.066	130	1.80	1.90
BSF3015LQHMU2R2MT	2.2	0.072	90	1.48	1.60
BSF3015LQHMU3R3MT	3.3	0.112	75	1.21	1.45
BSF3015LQHMU4R7MT	4.7	0.136	65	1.08	1.25
BSF3015LQHMU6R8MT	6.8	0.211	50	0.90	0.90
BSF3015LQHMU100MT	10	0.276	45	0.75	0.87
BSF3015LQHMU150MT	15	0.422	33	0.58	0.65
BSF3015LQHMU220MT	22	0.622	28	0.47	0.55
BSF3015LQHMU330MT	33	0.959	22	0.39	0.45
BSF3015LQHMU470MT	47	1.406	18	0.32	0.40
BSF3015LQHMU101MT	100	2.920	11	0.23	0.25

※Test Frequency: 1MHz/0.1V

※Tolerance: M \pm 20%, N \pm 30%

※Isat:Based on Inductance decrease 30%

※IDC:Based on Temperature increase 40°C

※Operating temperature range : -40 to +125°C (including self-heating)

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