

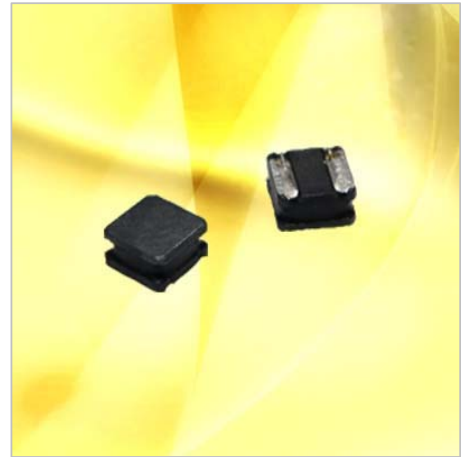
# SPECIFICATION OF BSF□□□□LQHMU SERIES

## 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

BSF3015LQHMU 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

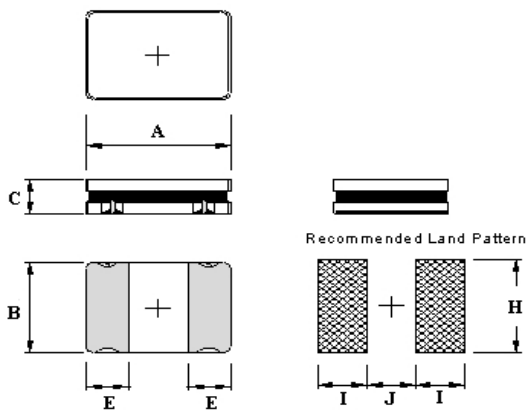


FIG 1

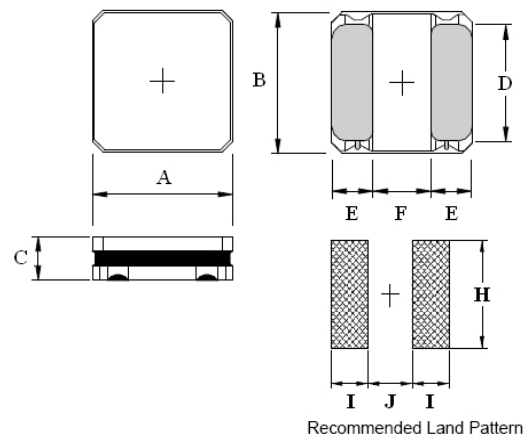


FIG 2

## 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 → BSF3015LQHMU SERIES

## ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance ( $\mu$ H)	DC Resistance ( $\Omega$ )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

※Tolerance: M $\pm$ 20%, N $\pm$ 30%

※Isat:Based on Inductance decrease 30%

※IDC:Based on Temperature increase 40 $^{\circ}$ C

※Operating temperature range : -40 to +105 $^{\circ}$ C (including self-heating)

※Storage Temp. : -40 $^{\circ}$ C T0+85 $^{\circ}$ C

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