

# SPECIFICATION OF BSF3015BNRM SERIES

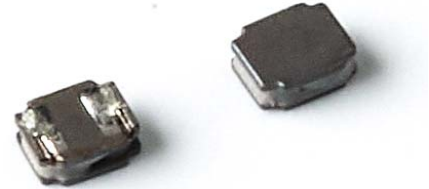
## FEATURES

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

**BSF6030BNRM 2R2 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

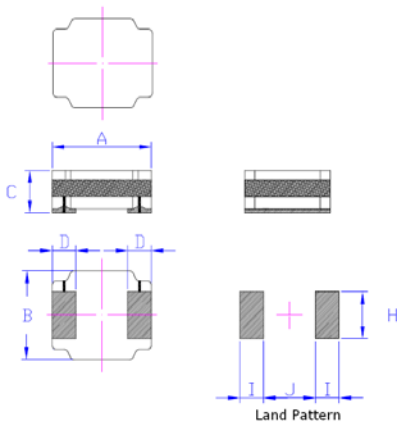


FIG 1

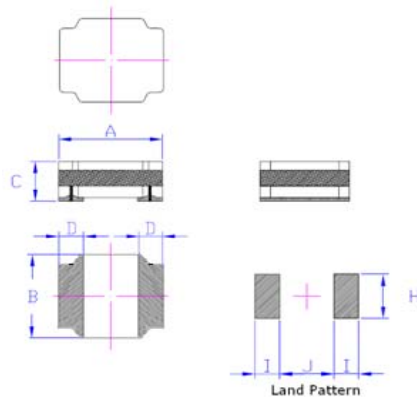


FIG 2

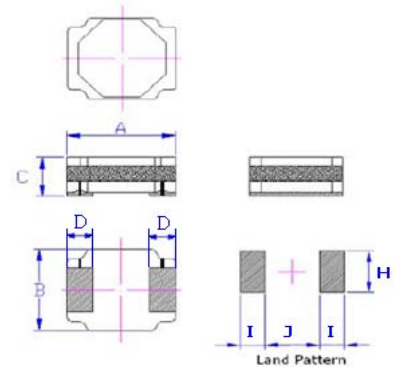


FIG 3

## SHAPE & DIMENSIONS

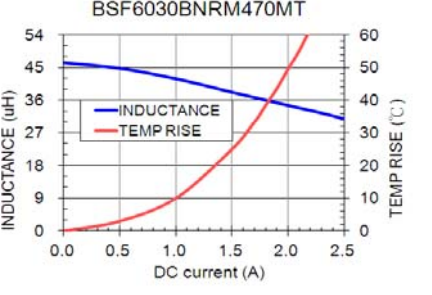
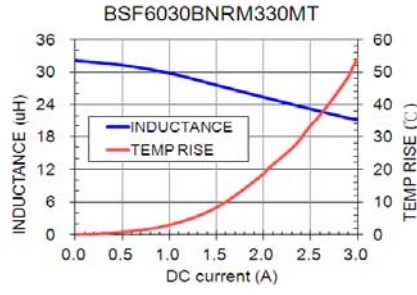
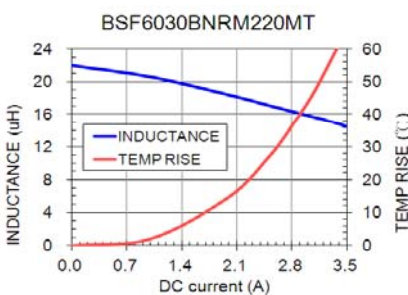
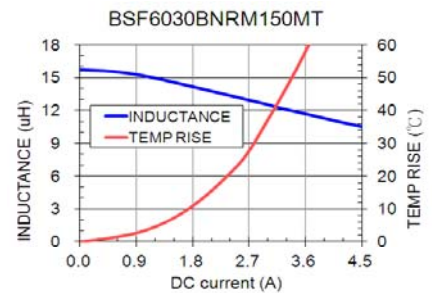
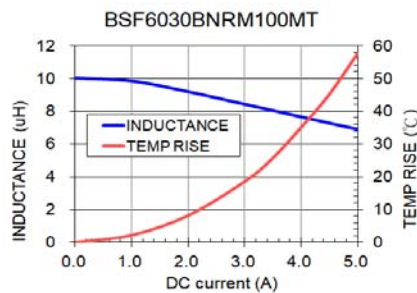
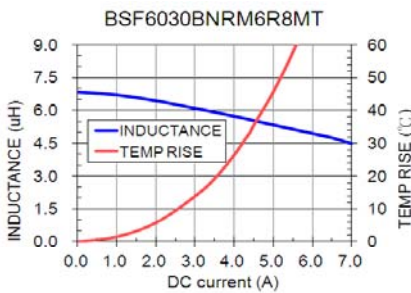
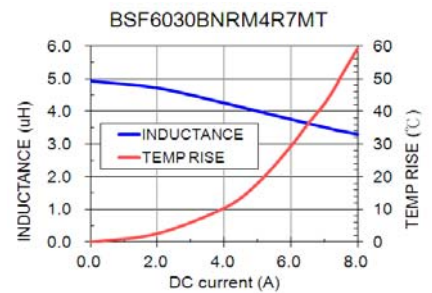
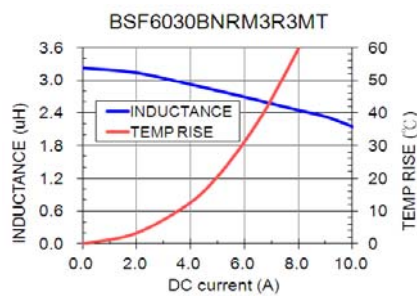
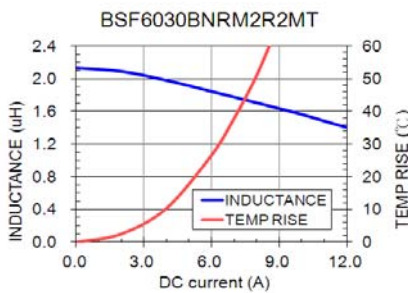
SIZE CODE	A mm	B mm	C mm	D mm	H	I	J	FIG		
BSF2010BNRM	2.0±0.2	1.6±0.2	1.05max	0.6±0.2	1.10	1.00	0.90	1		
BSF2512BNRM	2.5±0.2	2.1±0.2	1.25max	0.85±0.20	1.40	0.95	0.90	1		
BSF3015BNRM	3.0±0.2	3.0±0.2	1.55max	0.9±0.2	2.90	1.00	1.20	2		
BSF6030BNRM	6.0±0.2	6.0±0.2	3.0±0.2	1.9±0.3	5.70	2.00	2.00	3		

※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 → BSF6030BNRM SERIES

## ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance	DC Resistance	SRF(MHz)	Isat	IDC
	( $\mu\text{H}$ )	( $\text{m}\Omega$ )max	min	(A)Typ	(A)Typ
BSF6030BNRM2R2MT	2.20	27	20	10.3	7.20
BSF6030BNRM3R3MT	3.30	35	20	9.00	6.80
BSF6030BNRM4R7MT	4.70	45	15	7.20	6.60
BSF6030BNRM6R8MT	6.80	65	13	6.40	4.60
BSF6030BNRM100MT	10.0	82	7	4.80	4.10
BSF6030BNRM150MT	15.0	150	7	4.00	3.00
BSF6030BNRM220MT	22.0	170	5	3.20	2.90
BSF6030BNRM330MT	33.0	250	3	2.60	2.60
BSF6030BNRM470MT	47.0	360	2.5	2.30	1.80



※Test Frequency: 100KHz/1V

※Tolerance:  $M \pm 20\%$

※Isat: Based on Inductance decrease 30%

※IDC: Based on Temperature increase 40°C

※Operating temperature range :  $-40$  to  $+125^\circ\text{C}$  (including self-heating)

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

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