

# SPECIFICATION OF BSF2512BNRM SERIES

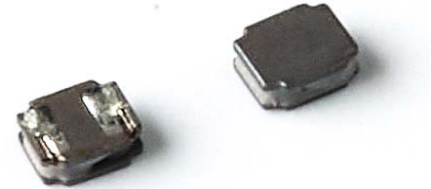
## FEATURES

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

**BSF2512BNRM 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

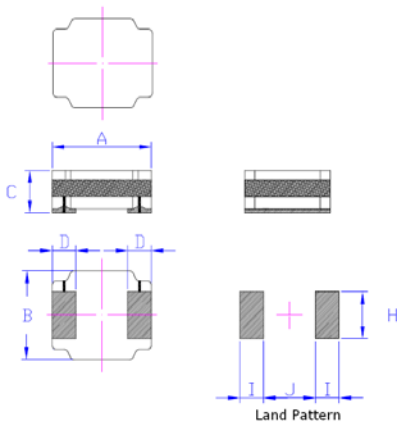


FIG 1

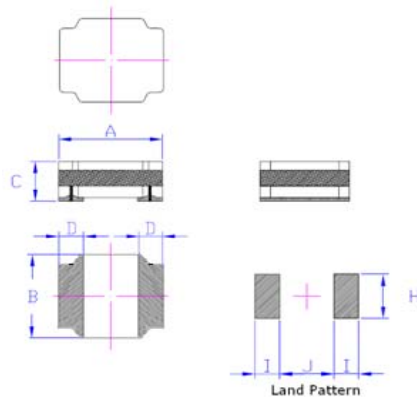


FIG 2

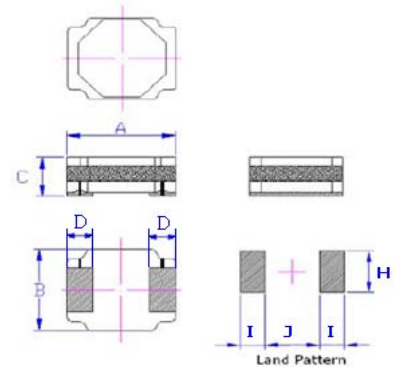


FIG 3

## 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 → BSF2512BNRM SERIES

## ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance ( $\mu$ H)	DC Resistance (m $\Omega$ )max	SRF(MHz) min	Isat (A)max	IDC (A)max
BSF2512BNRMR20MT	0.20	24	120	7.00	4.20
BSF2512BNRMR33MT	0.33	28	85	5.70	3.80
BSF2512BNRMR47MT	0.47	34	80	4.50	3.60
BSF2512BNRMR68MT	0.68	43	70	4.10	3.60
BSF2512BNRM1R0MT	1.00	55	55	3.50	3.20
BSF2512BNRM1R2MT	1.20	56	40	3.00	3.10
BSF2512BNRM1R5MT	1.50	70	40	2.70	2.50
BSF2512BNRM2R2MT	2.20	95	35	2.30	2.10
BSF2512BNRM3R3MT	3.30	150	25	1.70	1.70
BSF2512BNRM4R7MT	4.70	230	20	1.40	1.40
BSF2512BNRM6R8MT	6.80	350	15	1.30	1.20
BSF2512BNRM100MT	10.00	450	15	1.00	1.00
BSF2512BNRM150MT	15.00	620	10	0.80	0.70
BSF2512BNRM220MT	22.00	790	7	0.65	0.65

※Test Frequency: 1MHz/0.1V

※Tolerance: M $\pm$ 20%

※Isat: Based on Inductance decrease 30%

※IDC: Based on Temperature increase 40°C

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

※Storage Temp. : -40°C T0+85°C

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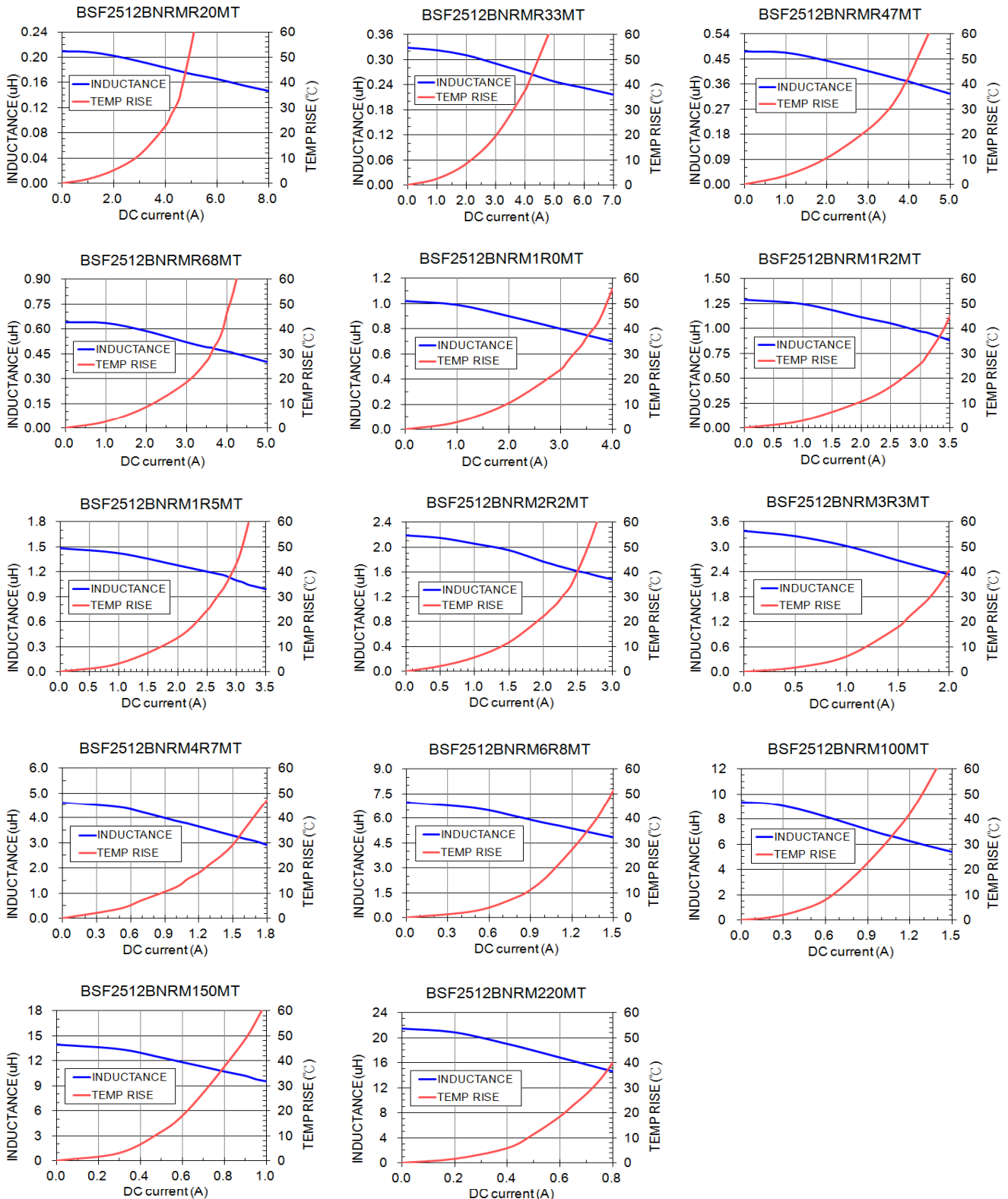


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