

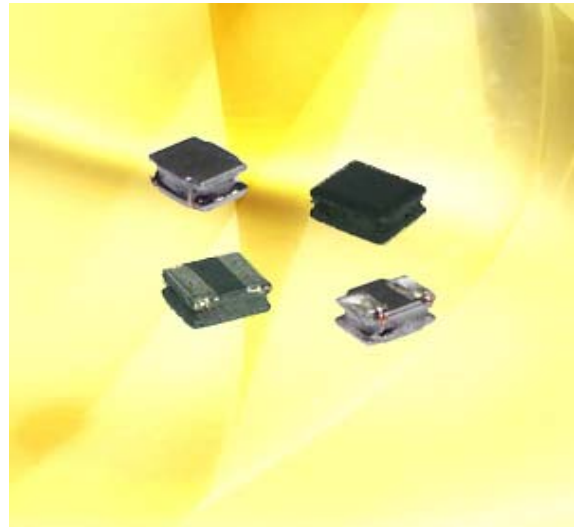
SPECIFICATION OF BSF-□NR□ SERIES

FEATURES

1. Low profile construction and miniature size.
2. High magnetic shield construction and acted high performance for EMC/EMI protection.
3. Low coil resistance with large current.
4. 100% lead (Pb) free meet RoHS standard.

APPLICATIONS

1. D/D converter unit design for mobile product, VRM for server.
2. DVD、HDD、STB、LCD display、IP CAM、GPS、USB connector、Smart phones、Face Recognition System、IoT application...etc.



ORDERING CODE

BSF2510SNR□ **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

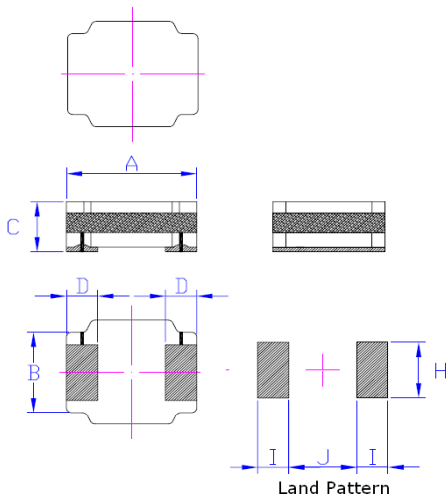


FIG 1

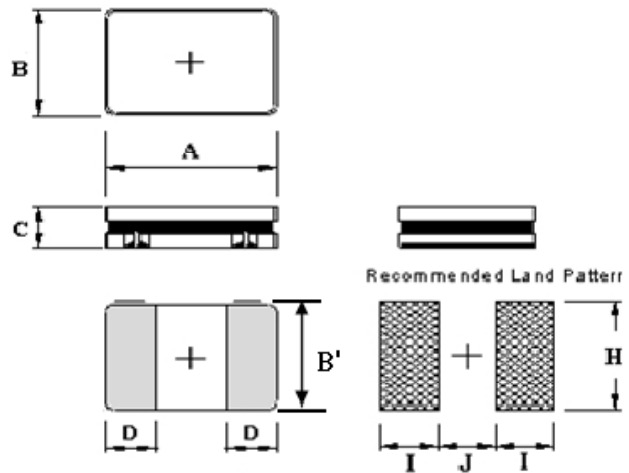


FIG 2

SHAPE & DIMENSIONS

UNIT:mm

SIZE CODE	A	B	B'	C	D	H	I	J	FIG
BSF2010BNR□	2.00±0.20	1.60±0.20	-	1.05max	0.60±0.20	1.10	1.00	0.90	1
BSF2510SNR□	2.50±0.25	2.10±0.20	2.25±0.20	1.00 max.	0.85±0.20	2.30	0.95	0.90	2
BSF2512SNR□	2.50±0.25	2.10±0.20	2.25±0.20	1.20 max.	0.85±0.20	2.30	0.95	0.90	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 → BSF2510SNRA SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μ H)	DC Resistance ($m\Omega$)max	SRF(MHz) min	Isat (A)max	IDC (A)max
BSF2510SNRAR47MT	0.47	42	160	3.20	3.30
BSF2510SNRAR68MT	0.68	54	155	2.60	3.20
BSF2510SNRA1R0MT	1.00	80	130	2.20	2.60
BSF2510SNRA1R5MT	1.50	105	100	1.60	2.40
BSF2510SNRA2R2MT	2.20	150	80	1.40	1.80
BSF2510SNRA3R3MT	3.30	235	70	1.20	1.50
BSF2510SNRA4R7MT	4.70	310	50	1.10	1.20
BSF2510SNRA6R8MT	6.80	450	40	0.80	1.00
BSF2510SNRA8R2MT	8.20	500	35	0.75	0.90
BSF2510SNRA100MT	10.0	550	30	0.65	0.85
BSF2510SNRA220MT	22.0	1450	20	0.48	0.56

※Test Frequency: 1MHz/0.1V

※Tolerance: M \pm 20%

※Isat: Based on Inductance decrease 30%

※IDC: Based on Temperature increase 40°C

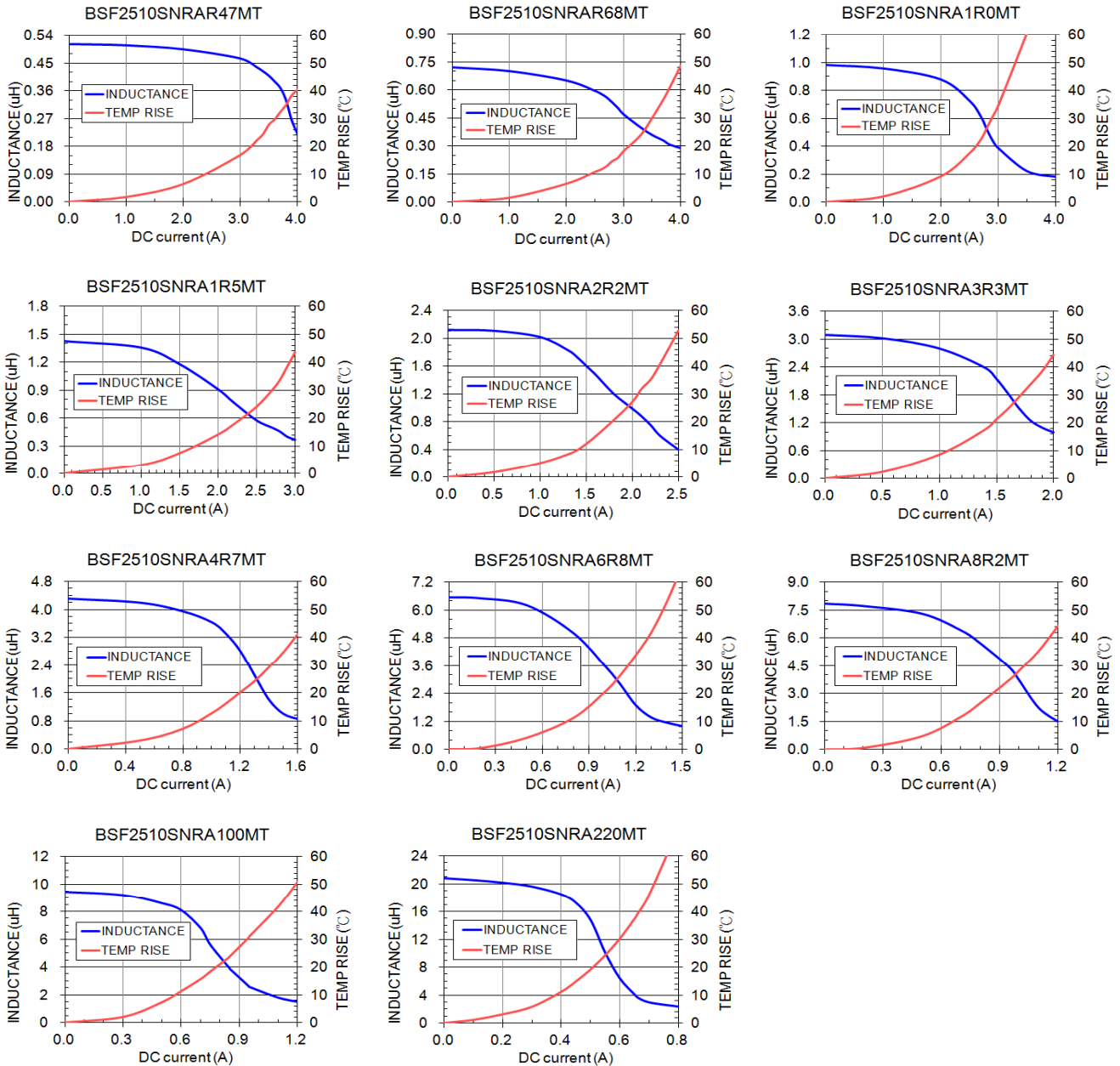
※Operating temperature range : -40 to +125°C (including self-heating)

※Storage Temp. : -40°C TO+85°C

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