

# SPECIFICATION OF BSFQ-□NR□ SERIES

## AEC-Q200



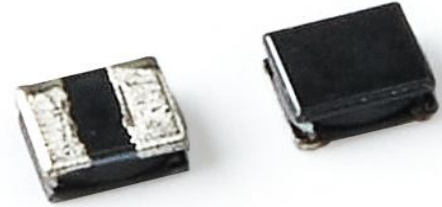
### FEATURES

1. SMT designed ferrite/alloy core with magnetic resin coating components for power circuits.
2. High magnetic shielding construction and acted high performance for EMC/EMI protection.
3. Low coil resistance with high current application.
4. Compatible with Pb-free RoHS and AEC-Q200.



### APPLICATIONS

- 1 Automotive application



### ORDERING CODE

BSFQ2510SNR□1R0 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

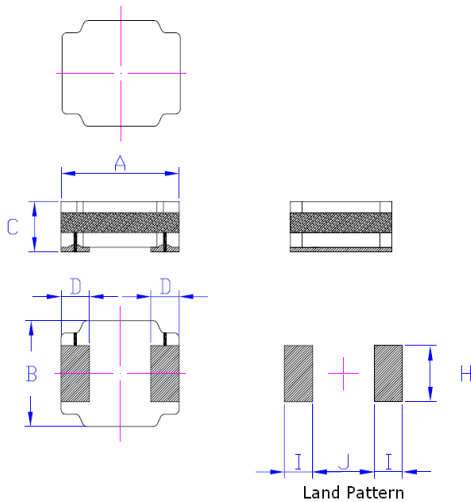


FIG 1

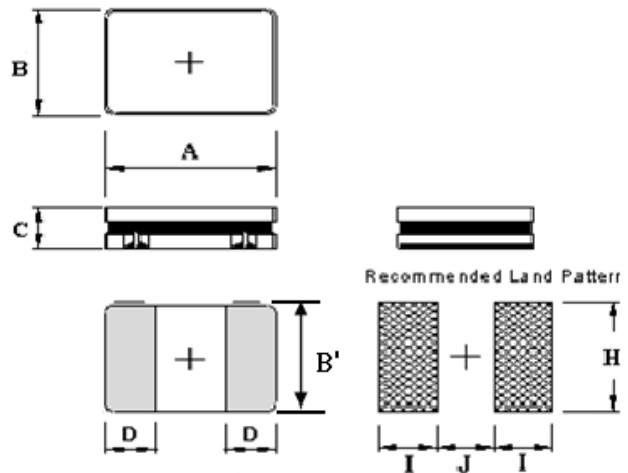


FIG 2

### SHAPE & DIMENSIONS

UNIT:mm

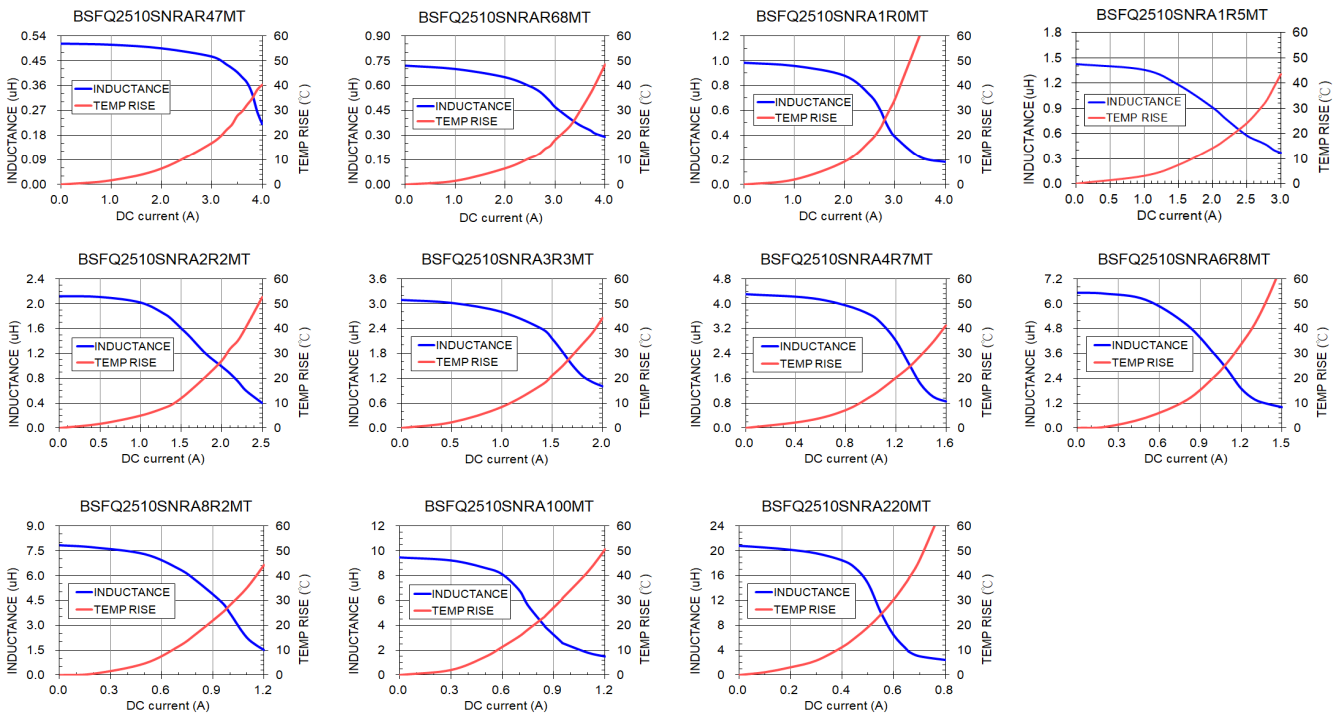
SIZE CODE	A	B	B'	C	D	H	I	J	FIG
BSFQ2010BNRA	2.00±0.20	1.60±0.20	-	1.05max	0.60±0.20	1.10	1.00	0.90	1
BSFQ2510SNRA	2.50±0.25	2.10±0.20	2.25±0.20	1.00 max.	0.85±0.20	2.30	0.95	0.90	2
BSFQ2512SNRA	2.50±0.25	2.10±0.20	2.25±0.20	1.20 max.	0.85±0.20	2.30	0.95	0.90	2
BSFQ2512SNRB	2.50±0.25	2.10±0.20	2.25±0.20	1.20max	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 → BSFQ2510SNRA SERIES

## ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μH)	DC Resistance (mΩ)max	SRF(MHz) min	Isat (A)max	IDC (A)max
BSFQ2510SNRAR47MT	0.47	42	160	3.20	3.30
BSFQ2510SNRAR68MT	0.68	54	155	2.60	3.20
BSFQ2510SNRA1R0MT	1.00	80	130	2.20	2.60
BSFQ2510SNRA1R5MT	1.50	105	100	1.60	2.40
BSFQ2510SNRA2R2MT	2.20	150	80	1.40	1.80
BSFQ2510SNRA3R3MT	3.30	235	70	1.20	1.50
BSFQ2510SNRA4R7MT	4.70	310	50	1.10	1.20
BSFQ2510SNRA6R8MT	6.80	450	40	0.80	1.00
BSFQ2510SNRA8R2MT	8.20	500	35	0.75	0.90
BSFQ2510SNRA100MT	10.00	550	30	0.65	0.85
BSFQ2510SNRA220MT	22.00	1450	20	0.48	0.56



※Test Frequency: 1MHz/0.1V

※Tolerance: M±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

※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.