

SPECIFICATION OF BSF3015BNRM SERIES

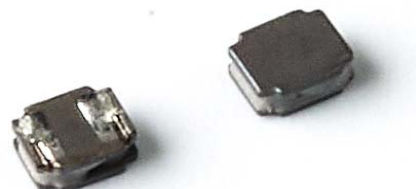
FEATURES

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

BSF3015BNRM 1R0 M T
(1) (2) (3) (4)

- (1) PRODUCT TYPE CODE AND SIZE CODE
(2) INDUCTANCE
(3) INDUCTANCE TOLERANCE (M : $\pm 20\%$, N : $\pm 30\%$)
(4) REEL TAPING

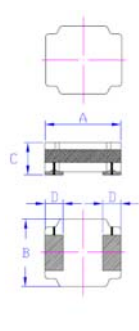


FIG 1



FIG 2

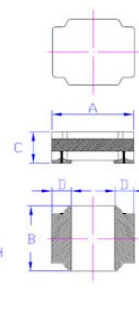
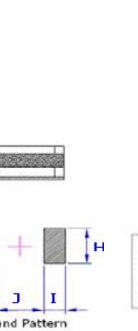
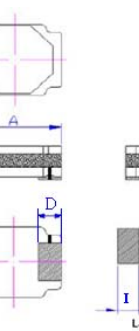
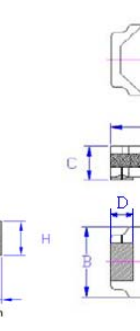


FIG 3



FIG 4



SHAPE & DIMENSIONS

SIZE CODE	A mm	B mm	C mm	D mm	E mm	H	I	J	FIG	
BSF2010BNRM	2.0 $\pm$ 0.2	1.6 $\pm$ 0.2	1.05max	0.6 $\pm$ 0.2	—	1.10	1.00	0.90	1	
BSF2512BNRM	2.5 $\pm$ 0.2	2.1 $\pm$ 0.2	1.25max	0.85 $\pm$ 0.20	—	1.40	0.95	0.90	1	
BSF3010BNRM	3.0 $\pm$ 0.2	3.0 $\pm$ 0.2	1.05max	0.9 $\pm$ 0.2	—	2.90	1.00	1.20	2	
BSF3012BNRM	3.0 $\pm$ 0.2	3.0 $\pm$ 0.2	1.25max	0.9 $\pm$ 0.2	—	2.90	1.00	1.20	2	
BSF3015BNRM	3.0 $\pm$ 0.2	3.0 $\pm$ 0.2	1.55max	0.9 $\pm$ 0.2	—	2.90	1.00	1.20	2	
BSF5040BNRM	5.4 $\pm$ 0.2	5.7 $\pm$ 0.2	4.0 $\pm$ 0.2	1.5 $\pm$ 0.3	4.5 $\pm$ 0.3	6.10	3.07	3.05	4	
BSF6030BNRM	6.0 $\pm$ 0.2	6.0 $\pm$ 0.2	3.0 $\pm$ 0.2	1.9 $\pm$ 0.3	—	5.70	2.00	2.00	3	

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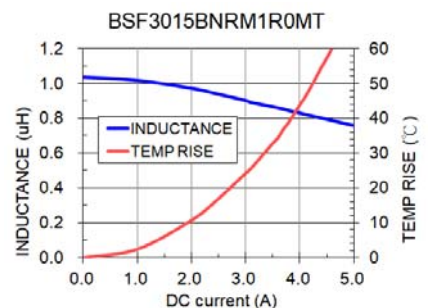
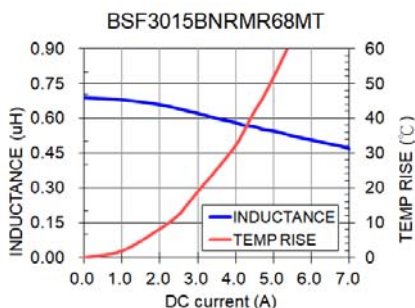
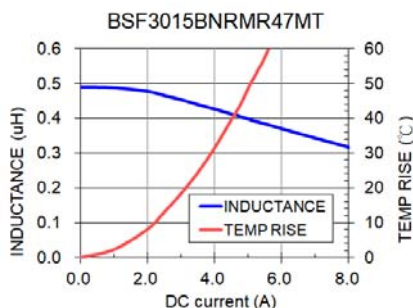
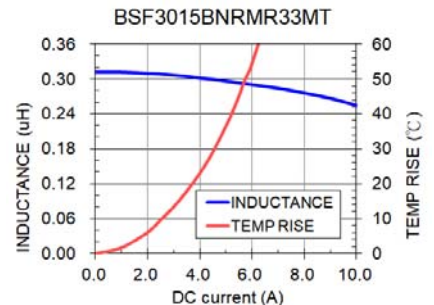
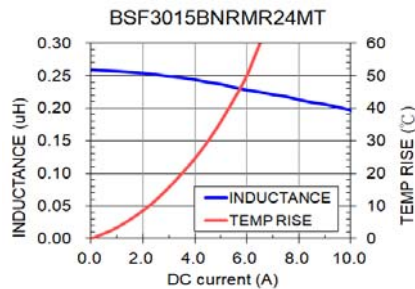
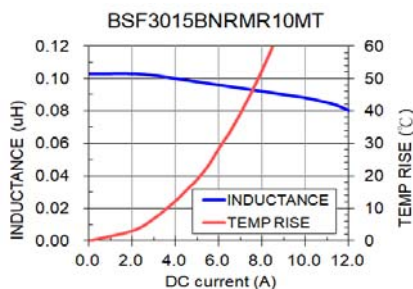
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SMD POWER INDUCTORS → BSF3015BNRM SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μ H)	DC Resistance (m Ω)max	SRF(MHz) min	Isat (A)Typ	IDC (A)Typ
BSF3015BNRMR10MT	0.10	23	200	11.0	7.00
BSF3015BNRMR24MT	0.24	30	110	10.0	5.20
BSF3015BNRMR33MT	0.33	37	85	9.00	5.10
BSF3015BNRMR47MT	0.47	37	75	7.20	4.50
BSF3015BNRMR68MT	0.68	43	65	6.50	4.40
BSF3015BNRM1R0MT	1.00	49	45	5.00	3.80
BSF3015BNRM1R5MT	1.50	62	35	4.50	3.50
BSF3015BNRM2R2MT	2.20	70	30	3.50	3.50
BSF3015BNRM3R3MT	3.30	100	20	2.80	3.00
BSF3015BNRM4R7MT	4.70	190	20	2.40	2.00



※Test Frequency: 100KHz/1V

※Tolerance: M $\pm$ 20%

※Isat:Based on Inductance decrease 30%

※IDC:Based on Temperature increase 40°C

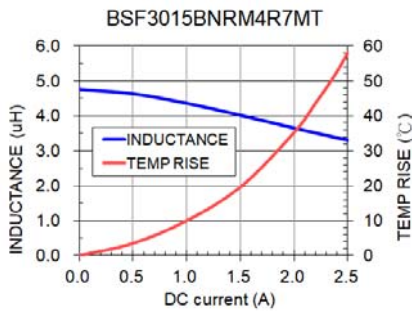
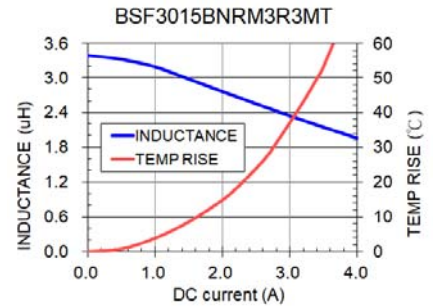
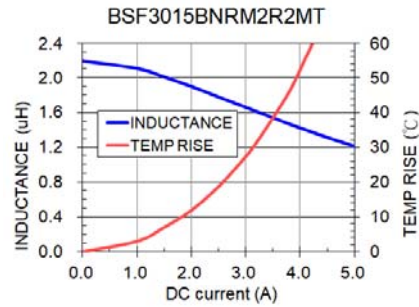
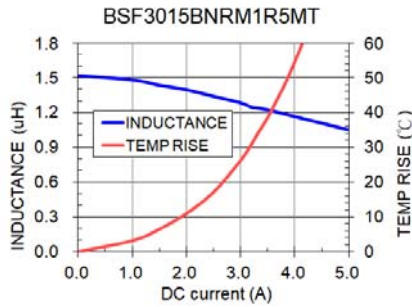
※Operating temperature range : -40 to +125°C (including self-heating)

※Storage Temp. : -40°C TO+85°C

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