

SPECIFICATION OF BSF□□□RHGS SERIES

FEATURES

To be high saturation for surface mounting.

APPLICATIONS

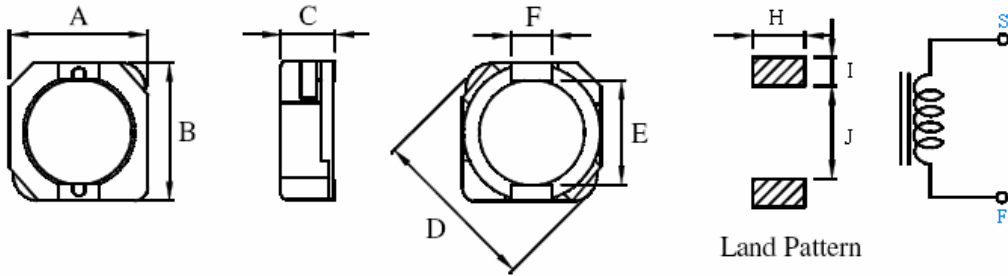
OA equipment , VTR , LCD television set ,
notebook PC , portable communication
equipments DC to DC converters , etc.



ORDERING CODE

BSF1003RHGS 100 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



SHAPE & DIMENSIONS

UNIT:mm

SIZE CODE	A (max)	B (max)	C (max)	D (max)	E ±0.3	F ±0.1	H	I	J
BSF1003RHGS	10.3	10.4	3.0	13.5	7.7	3.0	3.6	1.7	7.3
BSF1004RHGS	10.3	10.4	4.0	13.5	7.7	3.0	3.6	1.7	7.3
BSF1005RHGS	10.3	10.4	5.0	13.5	7.7	3.0	3.6	1.7	7.3

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SMD POWER INDUCTORS → BSF□□□RHGS SERIES

ELECTRICAL CHARACTERISTIC

Stamp	L (μH)	RDC (ohm) max			IDC (A) max		
		BSF 1003 RHGS	BSF 1004 RHGS	BSF 1005 RHGS	BSF 1003 RHGS	BSF 1004 RHGS	BSF 1005 RHGS
		1R3N	1.3	-	0.0081	-	-
2R5N	2.5	-	0.0100	-	-	7.500	-
3R8N	3.8	-	0.0130	-	-	6.000	-
5R2N	5.2	-	0.0220	-	-	5.500	-
7R0N	7.0	-	0.0270	-	-	4.800	-
100M	10	0.0581	0.0350	0.0258	2.700	4.400	3.450
120M	12	0.0721	-	0.0320	2.250	-	3.400
150M	15	0.0865	0.0500	0.0400	2.220	3.600	2.830
180M	18	0.1161	-	0.0460	1.900	-	2.620
220M	22	0.1454	0.0730	0.0585	1.780	2.900	2.440
270M	27	0.1759	-	0.0654	1.630	-	2.240
330M	33	0.2134	0.0930	0.0814	1.460	2.300	1.880
390M	39	0.2689	-	0.1031	1.320	-	1.700
470M	47	0.2986	0.1280	0.1221	1.180	2.100	1.560
560M	56	0.3358	-	0.1448	1.100	-	1.390
680M	68	0.4513	0.2130	0.1930	1.040	1.500	1.360
820M	82	0.5138	-	0.2194	0.940	-	1.200
101M	100	0.7000	0.3040	0.2470	0.840	1.350	1.090
121M	120	0.7650	-	0.2984	0.760	-	1.000
151M	150	0.8763	0.5060	0.3551	0.700	1.150	0.910
181M	180	-	-	0.3943	-	-	0.840
221M	220	-	0.7560	0.4838	-	0.920	0.750
271M	270	-	-	0.6325	-	-	0.680
331M	330	-	1.0900	0.7800	-	0.700	0.600
391M	390	-	-	0.9575	-	-	0.570
471M	470	-	-	1.2204	-	-	0.500
561M	560	-	-	1.3524	-	-	0.470
681M	680	-	-	1.5192	-	-	0.430
821M	820	-	-	1.6944	-	-	0.390
102M	1000	-	-	1.9464	-	-	0.350

Test Freq. : 100KHz /1V

Tolerance : M± 20% ,N± 30%

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SMD POWER INDUCTORS → BSF1003RHGS SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μ H)	Test Frequency (KHz)	DC Resistance (Ω)max	IDC (A)max
BSF1003RHGS100MT	10.0	100	0.0581	2.70
BSF1003RHGS120MT	12.0	100	0.0721	2.25
BSF1003RHGS150MT	15.0	100	0.0865	2.22
BSF1003RHGS180MT	18.0	100	0.1161	1.90
BSF1003RHGS220MT	22.0	100	0.1454	1.78
BSF1003RHGS270MT	27.0	100	0.1759	1.63
BSF1003RHGS330MT	33.0	100	0.2134	1.46
BSF1003RHGS390MT	39.0	100	0.2689	1.32
BSF1003RHGS470MT	47.0	100	0.2986	1.18
BSF1003RHGS560MT	56.0	100	0.3358	1.10
BSF1003RHGS680MT	68.0	100	0.4513	1.04
BSF1003RHGS820MT	82.0	100	0.5138	0.94
BSF1003RHGS101MT	100.0	100	0.7000	0.84
BSF1003RHGS121MT	120.0	100	0.7650	0.76
BSF1003RHGS151MT	150.0	100	0.8763	0.70

Test Freq.: 100KHz/1V

Tolerance : M \pm 20% ,N \pm 30%

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