

SPECIFICATION OF BSF□□□□RHSU 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.

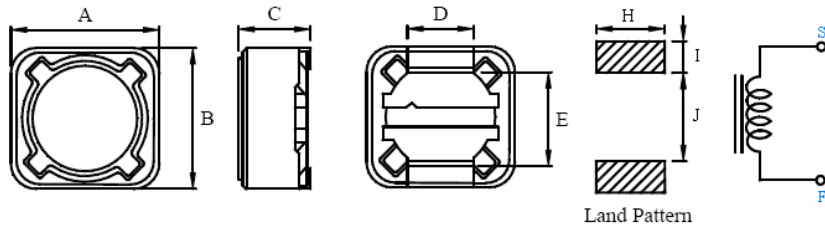


ORDERING CODE

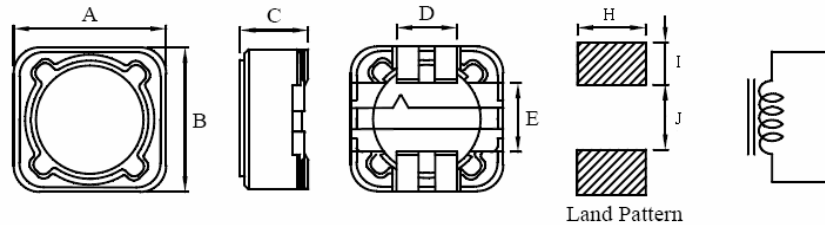
BSF1209RHSU **100** **M** **T**
(1) (2) (3) (4)

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

0703 0704
Series



1204 1205 1207
1209 Series



SHAPE & DIMENSIONS

UNIT:mm

SIZE CODE	A (max)	B (max)	C (max)	D ±0.2	E ±0.2	H	I	J
BSF0703RHSU	7.5	7.5	3.4	2.7	5.1	3.1	1.6	4.8
BSF0704RHSU	7.5	7.5	4.5	2.7	5.1	3.1	1.6	4.8
BSF1204RHSU	12.3	12.3	4.5	5.0	7.6	5.4	2.8	7.0
BSF1205RHSU	12.3	12.3	6.0	5.0	7.6	5.4	2.8	7.0
BSF1207RHSU	12.3	12.3	8.0	5.0	7.6	5.4	2.9	7.0
BSF1209RHSU	12.2±0.3	12.2±0.3	10.0	5.0	7.6	5.4	2.9	7.0

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SMD POWER INDUCTORS → BSF□□□RHSU SERIES

ELECTRICAL CHARACTERISTIC

Stamp	L (μH)	RDC (ohm) max						IDC (A) max					
		BSF 0703 RHSU	BSF 0704 RHSU	BSF 1204 RHSU	BSF 1205 RHSU	BSF 1207 RHSU	BSF 1209 RHSU	BSF 0703 RHSU	BSF 0704 RHSU	BSF 1204 RHSU	BSF 1205 RHSU	BSF 1207 RHSU	BSF 1209 RHSU
		1R2N	1.2	-	-	-	-	0.0070	-	-	-	-	9.800
1R3N	1.3	-	-	-	0.0120	-	-	-	-	8.000	-	-	
1R5N	1.5	-	-	-	-	-	0.0047	-	-	-	-	16.000	
2R1N	2.1	-	-	-	0.0140	-	-	-	-	7.000	-	-	
2R4N	2.4	-	-	-	-	0.0115	0.0057	-	-	-	8.000	15.000	
3R1N	3.1	-	-	-	0.0170	-	-	-	-	6.000	-	-	
3R3N	3.3	-	-	-	-	-	0.0086	-	-	-	-	14.000	
3R5N	3.5	-	-	-	-	0.0135	-	-	-	-	7.500	-	
3R9N	3.9	-	-	0.0150	-	-	-	-	-	6.500	-	-	
4R4N	4.4	-	-	-	0.0200	-	-	-	-	-	5.000	-	
4R7N	4.7	-	-	0.0180	-	0.0158	-	-	-	5.700	-	6.800	
5R0N	5.0	-	-	-	-	-	0.0105	-	-	-	-	11.000	
5R8N	5.8	-	-	-	0.0210	-	-	-	-	4.400	-	-	
6R1N	6.1	-	-	-	-	0.0176	-	-	-	-	6.600	-	
6R8N	6.8	-	-	0.0230	-	-	0.0132	-	-	4.900	-	10.000	
7R5N	7.5	-	-	-	0.0240	-	-	-	-	-	4.200	-	
7R6N	7.6	-	-	-	-	0.0200	-	-	-	-	-	5.900	
8R2N	8.2	-	-	0.0260	-	-	0.0153	-	-	4.600	-	8.200	
100M	10	0.0720	0.0490	0.0280	0.0250	0.0216	0.0180	1.680	1.840	4.500	4.000	5.400	7.500
120M	12	0.0980	0.0580	0.0380	0.0270	0.0243	0.0197	1.520	1.710	4.000	3.500	4.900	7.000
150M	15	0.1300	0.0810	0.0500	0.0300	0.0270	0.0242	1.330	1.470	3.200	3.300	4.500	6.000
180M	18	0.1400	0.0910	0.0570	0.0340	0.0392	0.0312	1.200	1.310	3.100	3.000	3.900	5.500
220M	22	0.1900	0.1100	0.0660	0.0360	0.0432	0.0390	1.070	1.230	2.900	2.800	3.600	5.000
270M	27	0.2100	0.1500	0.0800	0.0510	0.0459	0.0450	0.960	1.120	2.800	2.300	3.400	4.500
330M	33	0.2400	0.1700	0.0970	0.0570	0.0648	0.0500	0.910	0.960	2.700	2.100	3.000	4.000
390M	39	0.3200	0.2300	0.1320	0.0680	0.0729	0.0592	0.770	0.910	2.100	2.000	2.750	3.800
470M	47	0.3600	0.2600	0.1600	0.0750	0.1000	0.0689	0.760	0.880	1.900	1.800	2.500	3.500
560M	56	0.4700	0.3500	0.1900	0.1100	0.1100	0.0790	0.680	0.750	1.800	1.700	2.350	3.200
680M	68	0.5200	0.3800	0.2200	0.1200	0.1400	0.0878	0.610	0.690	1.500	1.500	2.100	3.000
820M	82	0.6900	0.4300	0.2600	0.1400	0.1600	0.1100	0.570	0.610	1.300	1.400	1.950	2.600
101M	100	0.7900	0.6100	0.3080	0.1600	0.2200	0.1400	0.500	0.600	1.200	1.300	1.700	2.200
121M	120	0.8900	0.6600	0.3800	0.1700	0.2500	0.1600	0.490	0.520	1.100	1.100	1.600	2.000
151M	150	1.2700	0.8800	0.5300	0.2300	0.2800	0.2000	0.430	0.460	0.950	1.000	1.420	1.800
181M	180	1.4500	0.9800	0.6200	0.2900	0.3500	0.2700	0.390	0.420	0.850	0.900	1.300	1.600
221M	220	1.6500	1.1700	0.7000	0.4000	0.3900	0.3000	0.350	0.360	0.800	0.800	1.160	1.500
271M	270	2.3100	1.6400	0.8700	0.4600	0.5600	0.4000	0.320	0.340	0.600	0.750	1.060	1.300
331M	330	2.6200	1.8600	0.9900	0.5100	0.6400	0.4500	0.280	0.320	0.500	0.680	0.950	1.200
391M	390	2.9400	2.8500	-	0.6900	0.7000	0.5500	0.260	0.290	-	0.650	0.880	1.100
471M	470	4.1800	3.0100	-	0.7700	0.9800	0.6000	0.240	0.260	-	0.580	0.790	1.000
561M	560	4.6700	3.6200	-	0.8600	1.0700	0.7000	0.220	0.230	-	0.540	0.730	0.900
681M	680	5.7300	4.6300	-	1.2000	1.4600	0.8400	0.190	0.220	-	0.480	0.670	0.820
821M	820	6.5400	5.2000	-	1.3400	1.6400	1.0600	0.180	0.200	-	0.430	0.600	0.800
102M	1000	9.4400	6.0000	-	1.5300	1.8200	1.2700	0.160	0.180	-	0.400	0.550	0.760

Test Freq. :

- BSF0703RHSU 10 ~ 1000μH (1KHz / 0.25V)
- BSF0704RHSU 10 ~ 1000μH (1KHz / 0.25V)
- BSF1204RHSU 3.9 ~ 330μH (100KHz / 0.1V)
- BSF1205RHSU 1.3 ~ 7.5μH (7.96MHz) , 10 ~ 1000μH (1KHz / 0.25V)
- BSF1207RHSU 1.2 ~ 7.6μH (100KHz / 0.1V) , 10 ~ 1000μH (1KHz / 0.25V)
- BSF1209RHSU 1.5 ~ 8.2μH (100KHz / 0.1V) , 10 ~ 1000μH (1KHz / 0.25V)

Tolerance : M± 20% ,N± 30%

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SMD POWER INDUCTORS → BSF1209RHSU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μ H)	Test Frequency (KHz)	DC Resistance (Ω)max	IDC (A)max
BSF1209RHSU1R5NT	1.5	100	0.0047	16.00
BSF1209RHSU2R4NT	2.4	100	0.0057	15.00
BSF1209RHSU3R3NT	3.3	100	0.0086	14.00
BSF1209RHSU5R0NT	5.0	100	0.0105	11.00
BSF1209RHSU6R8NT	6.8	100	0.0132	10.00
BSF1209RHSU8R2NT	8.2	100	0.0153	8.20
BSF1209RHSU100MT	10.0	1	0.0180	7.50
BSF1209RHSU120MT	12.0	1	0.0197	7.00
BSF1209RHSU150MT	15.0	1	0.0242	6.00
BSF1209RHSU180MT	18.0	1	0.0312	5.50
BSF1209RHSU220MT	22.0	1	0.0390	5.00
BSF1209RHSU270MT	27.0	1	0.0450	4.50
BSF1209RHSU330MT	33.0	1	0.0500	4.00
BSF1209RHSU390MT	39.0	1	0.0592	3.80
BSF1209RHSU470MT	47.0	1	0.0689	3.50
BSF1209RHSU560MT	56.0	1	0.0790	3.20
BSF1209RHSU680MT	68.0	1	0.0878	3.00
BSF1209RHSU820MT	82.0	1	0.1100	2.60
BSF1209RHSU101MT	100.0	1	0.1400	2.20
BSF1209RHSU121MT	120.0	1	0.1600	2.00
BSF1209RHSU151MT	150.0	1	0.2000	1.80
BSF1209RHSU181MT	180.0	1	0.2700	1.60
BSF1209RHSU221MT	220.0	1	0.3000	1.50
BSF1209RHSU271MT	270.0	1	0.4000	1.30
BSF1209RHSU331MT	330.0	1	0.4500	1.20
BSF1209RHSU391MT	390.0	1	0.5500	1.10
BSF1209RHSU471MT	470.0	1	0.6000	1.00
BSF1209RHSU561MT	560.0	1	0.7000	0.90
BSF1209RHSU681MT	680.0	1	0.8400	0.82
BSF1209RHSU821MT	820.0	1	1.0600	0.80
BSF1209RHSU102MT	1000.0	1	1.2700	0.76

Test Freq.: 1.5 ~ 8.2 μ H (100KHz / 0.1V) , 10 ~ 1000 μ H (1KHz / 0.25V)

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

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