

# SPECIFICATION OF BSF□□□□RHGS SERIES

## FEATURES

To be high saturation for surface mounting.



## APPLICATIONS

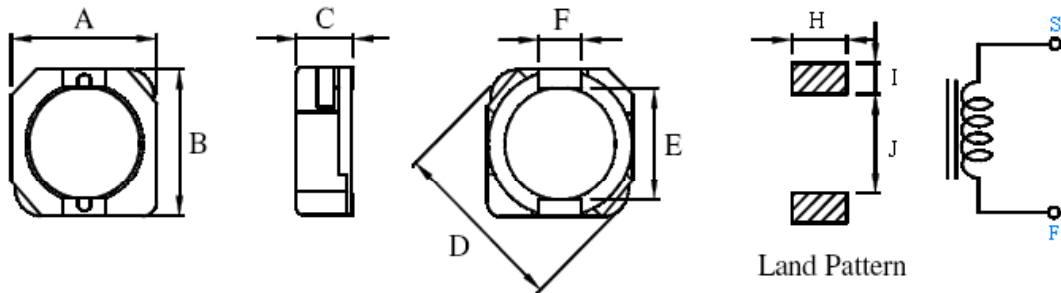
OA equipment , VTR , LCD television set ,  
notebook PC , portable communication  
equipments DC to DC converters , etc.



## 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 → BSF1003RHGS SERIES

## ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance ( $\mu$ H)	Test Frequency (KHz)	DC Resistance ( $\Omega$ )max	Isat (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%

※Isat: Based on Inductance decrease 35%

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**KING CORE ELECTRONICS INC.**  
Tel:886-3-4698855 Fax:886-3-4691395

No.269,Nanfong Rd.,Pingjhen City,Taoyuan County, Taiwan  
E-mail:kc@mail.kingcore.com.tw Web Site:http://www.kingcore.com.tw

# SMD POWER INDUCTORS → BSF1004RHGS SERIES

## ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance ( $\mu$ H)	Test Frequency (KHz)	DC Resistance ( $\Omega$ )max	Isat (A)max
BSF1004RHGS1R3NT	1.3	100	0.0081	10.00
BSF1004RHGS2R5NT	2.5	100	0.0100	7.50
BSF1004RHGS3R8NT	3.8	100	0.0130	6.00
BSF1004RHGS5R2NT	5.2	100	0.0220	5.50
BSF1004RHGS7R0NT	7.0	100	0.0270	4.80
BSF1004RHGS100MT	10.0	100	0.0350	4.40
BSF1004RHGS150MT	15.0	100	0.0500	3.60
BSF1004RHGS220MT	22.0	100	0.0730	2.90
BSF1004RHGS330MT	33.0	100	0.0930	2.30
BSF1004RHGS470MT	47.0	100	0.1280	2.10
BSF1004RHGS680MT	68.0	100	0.2130	1.50
BSF1004RHGS101MT	100.0	100	0.3040	1.35
BSF1004RHGS151MT	150.0	100	0.5060	1.15
BSF1004RHGS221MT	220.0	100	0.7560	0.92
BSF1004RHGS331MT	330.0	100	1.0900	0.70

Test Freq.:100KHz/1V

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

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# SMD POWER INDUCTORS → BSF1005RHGS SERIES

## ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance ( $\mu$ H)	Test Frequency (KHz)	DC Resistance ( $\Omega$ )max	Isat (A)max
BSF1005RHGS100MT	10.0	100	0.0258	3.45
BSF1005RHGS120MT	12.0	100	0.0320	3.40
BSF1005RHGS150MT	15.0	100	0.0400	2.83
BSF1005RHGS180MT	18.0	100	0.0460	2.62
BSF1005RHGS220MT	22.0	100	0.0585	2.44
BSF1005RHGS270MT	27.0	100	0.0654	2.24
BSF1005RHGS330MT	33.0	100	0.0814	1.88
BSF1005RHGS390MT	39.0	100	0.1031	1.70
BSF1005RHGS470MT	47.0	100	0.1221	1.56
BSF1005RHGS560MT	56.0	100	0.1448	1.39
BSF1005RHGS680MT	68.0	100	0.1930	1.36
BSF1005RHGS820MT	82.0	100	0.2194	1.20
BSF1005RHGS101MT	100.0	100	0.2470	1.09
BSF1005RHGS121MT	120.0	100	0.2984	1.00
BSF1005RHGS151MT	150.0	100	0.3551	0.91
BSF1005RHGS181MT	180.0	100	0.3943	0.84
BSF1005RHGS221MT	220.0	100	0.4838	0.75
BSF1005RHGS271MT	270.0	100	0.6325	0.68
BSF1005RHGS331MT	330.0	100	0.7800	0.60
BSF1005RHGS391MT	390.0	100	0.9575	0.57
BSF1005RHGS471MT	470.0	100	1.2204	0.50
BSF1005RHGS561MT	560.0	100	1.3524	0.47
BSF1005RHGS681MT	680.0	100	1.5192	0.43
BSF1005RHGS821MT	820.0	100	1.6944	0.39
BSF1005RHGS102MT	1000.0	100	1.9464	0.35

Test Freq.:100KHz/1V

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