

SPECIFICATION OF BSF□D□□RHSU SERIES

FEATURES

Compact and thin Large permissible DC current and low DC resistance.



APPLICATIONS

1. DC to DC converter of portable equipment.
2. Camcorder , LCD television set , Digital still camera , P.D.A. , Notebook.
3. Small size communication equipment.

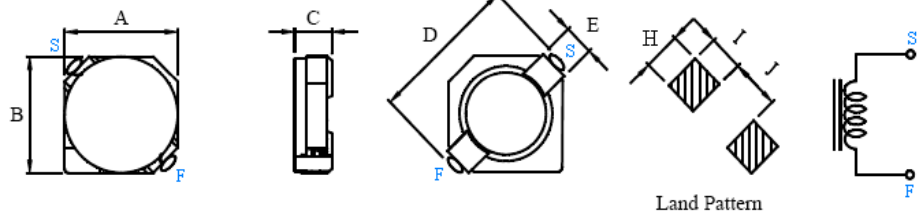


ORDERING CODE

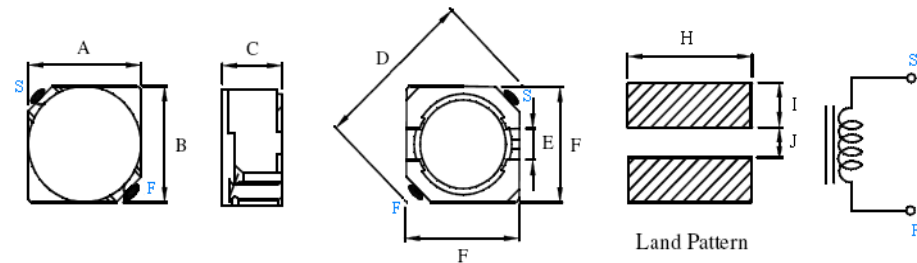
BSF6D38RHSU **100** **N** **T**
 (1) (2) (3) (4)

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

2D 3D



4D 5D 6D



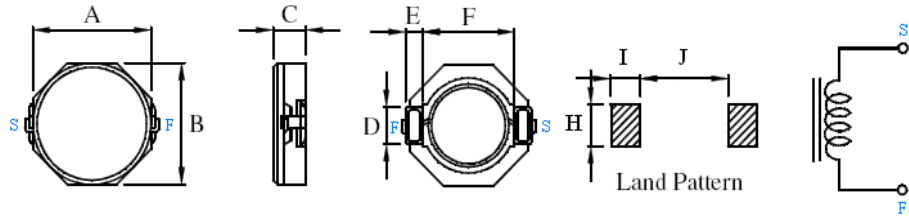
SHAPE & DIMENSIONS

SIZE CODE	A (max)	B (max)	C (max)	D (max)	E (Ref.)	F	H	I	J
BSF2D09RHSU	3.2	3.2	1.00	4.3	1.0	-	1.3	1.3	1.7
BSF2D11RHSU	3.2	3.2	1.20	4.3	1.0	-	1.3	1.3	1.7
BSF2D14RHSU	3.2	3.2	1.55	4.3	1.0	-	1.3	1.3	1.7
BSF2D18RHSU	3.2	3.2	2.00	4.3	1.0	-	1.3	1.3	1.7
BSF3D11RHSU	4.0	4.0	1.20	5.2	1.0	-	1.3	1.4	2.4
BSF3D16RHSU	4.0	4.0	1.80	5.2	1.0	-	1.3	1.4	2.4
BSF3D28RHSU	4.0	4.0	3.00	5.2	1.0	-	1.3	1.4	2.4
SIZE CODE	A ±0.3	B ±0.3	C (max)	D (max)	E (Ref.)	F (Ref.)	H	I	J
BSF4D18RHSU	4.7	4.7	2.0	6.9	1.5	4.5	5.3	1.90	1.5
BSF4D28RHSU	4.7	4.7	3.0	6.9	1.5	4.5	5.3	1.90	1.5
BSF5D18RHSU	5.7	5.7	2.0	8.2	2.0	5.5	6.3	2.15	2.0
BSF5D28RHSU	5.7	5.7	3.0	8.2	2.0	5.5	6.3	2.15	2.0
BSF6D28RHSU	6.7	6.7	3.0	9.5	2.0	6.5	7.3	2.65	2.0
BSF6D38RHSU	6.7	6.7	4.0	9.5	2.0	6.5	7.3	2.65	2.0

※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 → BSF□D□□RHSU SERIES

8D Series



UNIT:mm

SIZE CODE	A (max)	B (max)	C (max)	D (max)	E (Ref.)	F	H	I	J
BSF8D28RHSU	8.3	8.3	3.0	2.5	1.2	6.3	2.8	2.0	6.1
BSF8D43RHSU	8.3	8.3	4.5	2.5	1.2	6.3	2.8	2.0	6.1

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SMD POWER INDUCTORS → BSF6D38RHSU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)max	Isat (A)max
BSF6D38RHSU3R3NT	3.3	10	0.020	3.50
BSF6D38RHSU5R0NT	5.0	10	0.024	2.90
BSF6D38RHSU6R2NT	6.2	10	0.027	2.50
BSF6D38RHSU7R4NT	7.4	10	0.031	2.30
BSF6D38RHSU8R7NT	8.7	10	0.034	2.20
BSF6D38RHSU100MT	10.0	10	0.038	2.00
BSF6D38RHSU120MT	12.0	10	0.053	1.70
BSF6D38RHSU150MT	15.0	10	0.057	1.60
BSF6D38RHSU180MT	18.0	10	0.092	1.50
BSF6D38RHSU220MT	22.0	10	0.096	1.30
BSF6D38RHSU270MT	27.0	10	0.109	1.20
BSF6D38RHSU330MT	33.0	10	0.124	1.10
BSF6D38RHSU390MT	39.0	10	0.138	1.00
BSF6D38RHSU470MT	47.0	10	0.155	0.95
BSF6D38RHSU560MT	56.0	10	0.202	0.85
BSF6D38RHSU680MT	68.0	10	0.234	0.75
BSF6D38RHSU820MT	82.0	10	0.324	0.70
BSF6D38RHSU101MT	100.0	10	0.358	0.65
BSF6D38RHSU121MT	120.0	10	0.470	0.59
BSF6D38RHSU151MT	150.0	10	0.580	0.54
BSF6D38RHSU181MT	180.0	10	0.690	0.49
BSF6D38RHSU221MT	220.0	10	0.890	0.43
BSF6D38RHSU271MT	270.0	10	1.290	0.40
BSF6D38RHSU331MT	330.0	10	1.700	0.37
BSF6D38RHSU391MT	390.0	10	1.750	0.34
BSF6D38RHSU471MT	470.0	10	2.200	0.32
BSF6D38RHSU561MT	560.0	10	2.850	0.29
BSF6D38RHSU681MT	680.0	10	3.200	0.25
BSF6D38RHSU821MT	820.0	10	4.050	0.22
BSF6D38RHSU102MT	1000.0	10	5.700	0.20

Test Freq.:10KHz/0.1V

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