

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.



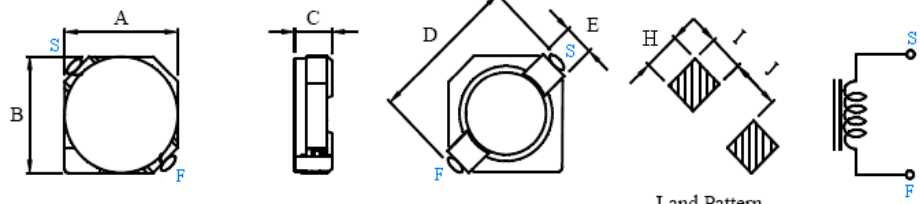
ORDERING CODE

BSF5D18RHSU **100** **N** **T**
 (1) (2) (3) (4)

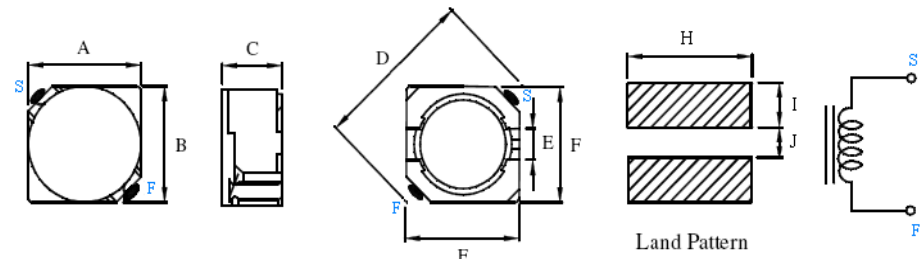
- (1) PRODUCT TYPE CODE AND SIZE CODE
 (2) INDUCTANCE
 (3) INDUCTANCE TOLERANCE (M : ±20%, N : ±30%)
 (4) REEL TAPING



2D 3D



4D 5D 6D



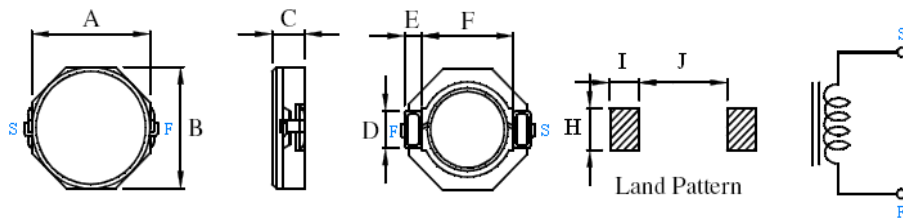
SHAPE & DIMENSIONS

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 → BSF5D18RHSU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μ H)	Test Frequency (KHz)	DC Resistance (Ω)max	Isat (A)max
BSF5D18RHSU4R1NT	4.1	10	0.057	1.95
BSF5D18RHSU5R4NT	5.4	10	0.076	1.60
BSF5D18RHSU6R2NT	6.2	10	0.096	1.40
BSF5D18RHSU8R9NT	8.9	10	0.116	1.25
BSF5D18RHSU100MT	10.0	10	0.124	1.20
BSF5D18RHSU120MT	12.0	10	0.153	1.10
BSF5D18RHSU150MT	15.0	10	0.196	0.97
BSF5D18RHSU180MT	18.0	10	0.210	0.85
BSF5D18RHSU220MT	22.0	10	0.290	0.80
BSF5D18RHSU270MT	27.0	10	0.330	0.75
BSF5D18RHSU330MT	33.0	10	0.386	0.65
BSF5D18RHSU390MT	39.0	10	0.520	0.57
BSF5D18RHSU470MT	47.0	10	0.595	0.54
BSF5D18RHSU560MT	56.0	10	0.665	0.50
BSF5D18RHSU680MT	68.0	10	0.840	0.43
BSF5D18RHSU820MT	82.0	10	0.978	0.41
BSF5D18RHSU101MT	100.0	10	1.200	0.36
BSF5D18RHSU121MT	120.0	10	1.500	0.33
BSF5D18RHSU151MT	150.0	10	1.710	0.31
BSF5D18RHSU181MT	180.0	10	2.240	0.28
BSF5D18RHSU221MT	220.0	10	2.440	0.23
BSF5D18RHSU271MT	270.0	10	3.380	0.21
BSF5D18RHSU331MT	330.0	10	4.340	0.18

Test Freq.:10KHz/0.1V

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

※Isat:Based on Inductance decrease 35%

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