

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.

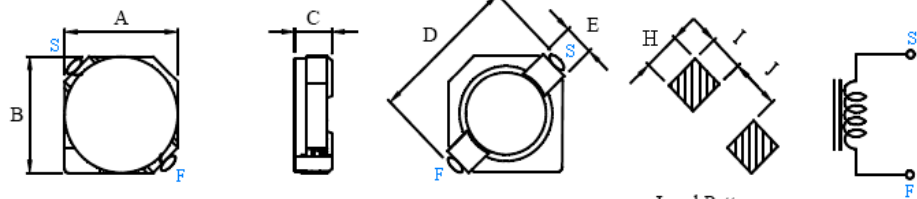


ORDERING CODE

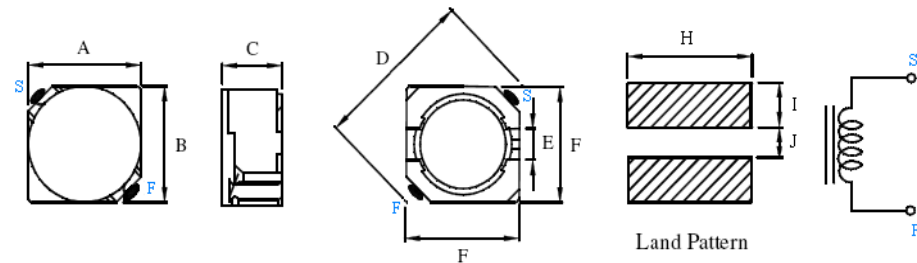
BSF4D18RHSU **100** **N** **T**
 (1) (2) (3) (4)

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

2D 3D



4D 5D 6D



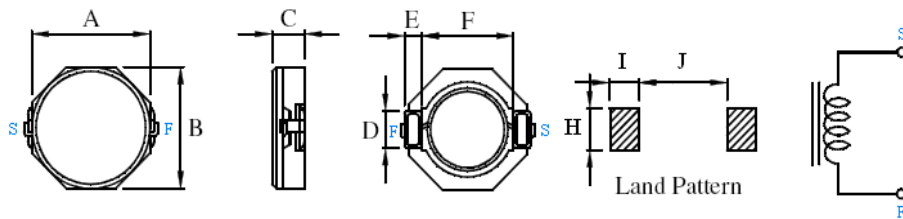
SHAPE & DIMENSIONS

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 → BSF4D18RHSU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μ H)	Test Frequency (KHz)	DC Resistance (Ω)max	Isat (A)max
BSF4D18RHSU1R0NT	1.0	100	0.045	1.72
BSF4D18RHSU2R2NT	2.2	100	0.075	1.32
BSF4D18RHSU2R7NT	2.7	100	0.105	1.28
BSF4D18RHSU3R3NT	3.3	100	0.110	1.04
BSF4D18RHSU3R9NT	3.9	100	0.155	0.88
BSF4D18RHSU4R7NT	4.7	100	0.162	0.84
BSF4D18RHSU5R6NT	5.6	100	0.170	0.80
BSF4D18RHSU6R8NT	6.8	100	0.200	0.76
BSF4D18RHSU8R2NT	8.2	100	0.245	0.68
BSF4D18RHSU100MT	10.0	100	0.200	0.61
BSF4D18RHSU120MT	12.0	100	0.210	0.56
BSF4D18RHSU150MT	15.0	100	0.240	0.50
BSF4D18RHSU180MT	18.0	100	0.338	0.48
BSF4D18RHSU220MT	22.0	100	0.397	0.41
BSF4D18RHSU270MT	27.0	100	0.441	0.35
BSF4D18RHSU330MT	33.0	100	0.694	0.32
BSF4D18RHSU390MT	39.0	100	0.709	0.30
BSF4D18RHSU470MT	47.0	100	0.922	0.28
BSF4D18RHSU560MT	56.0	100	1.080	0.26
BSF4D18RHSU680MT	68.0	100	1.300	0.24
BSF4D18RHSU820MT	82.0	100	1.550	0.22
BSF4D18RHSU101MT	100.0	100	1.730	0.20
BSF4D18RHSU121MT	120.0	100	2.390	0.18
BSF4D18RHSU151MT	150.0	100	2.670	0.15
BSF4D18RHSU181MT	180.0	100	4.000	0.14

Test Freq.:100KHz/0.1V

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

※Isat:Based on Inductance decrease 35%

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