

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.

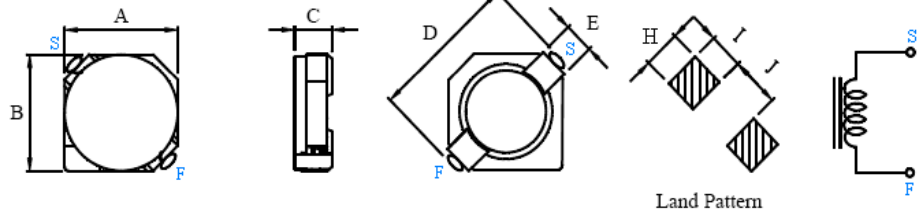


ORDERING CODE

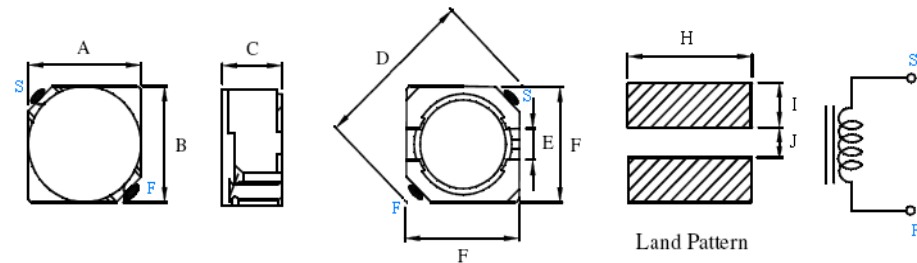
BSF5D28RHSU **100** **N** **T**
 (1) (2) (3) (4)

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

2D 3D



4D 5D 6D



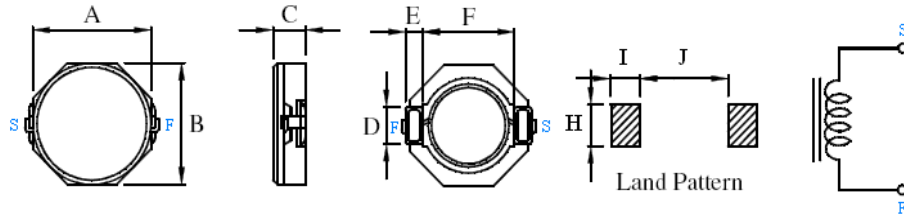
SHAPE & DIMENSIONS

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 → BSF5D28RHSU SERIES

ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance (μ H)	Test Frequency (KHz)	DC Resistance (Ω)max	Isat (A)max
BSF5D28RHSU2R6NT	2.6	10	0.018	2.60
BSF5D28RHSU3R0NT	3.0	10	0.024	2.40
BSF5D28RHSU4R2NT	4.2	10	0.031	2.20
BSF5D28RHSU5R3NT	5.3	10	0.038	1.90
BSF5D28RHSU6R2NT	6.2	10	0.045	1.80
BSF5D28RHSU8R2NT	8.2	10	0.053	1.60
BSF5D28RHSU100MT	10.0	10	0.065	1.30
BSF5D28RHSU120MT	12.0	10	0.076	1.20
BSF5D28RHSU150MT	15.0	10	0.103	1.10
BSF5D28RHSU180MT	18.0	10	0.110	1.00
BSF5D28RHSU220MT	22.0	10	0.122	0.90
BSF5D28RHSU270MT	27.0	10	0.175	0.85
BSF5D28RHSU330MT	33.0	10	0.189	0.75
BSF5D28RHSU390MT	39.0	10	0.212	0.70
BSF5D28RHSU470MT	47.0	10	0.260	0.62
BSF5D28RHSU560MT	56.0	10	0.305	0.58
BSF5D28RHSU680MT	68.0	10	0.355	0.52
BSF5D28RHSU820MT	82.0	10	0.463	0.46
BSF5D28RHSU101MT	100.0	10	0.520	0.42
BSF5D28RHSU121MT	120.0	10	0.560	0.40
BSF5D28RHSU151MT	150.0	10	0.680	0.35
BSF5D28RHSU181MT	180.0	10	0.930	0.32
BSF5D28RHSU221MT	220.0	10	1.150	0.30
BSF5D28RHSU271MT	270.0	10	1.560	0.27
BSF5D28RHSU331MT	330.0	10	1.980	0.25
BSF5D28RHSU391MT	390.0	10	2.500	0.22
BSF5D28RHSU471MT	470.0	10	2.700	0.20
BSF5D28RHSU561MT	560.0	10	3.120	0.18
BSF5D28RHSU681MT	680.0	10	4.150	0.16

Test Freq.:10KHz/0.1V

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

※Isat:Based on Inductance decrease 35%

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