

# 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.

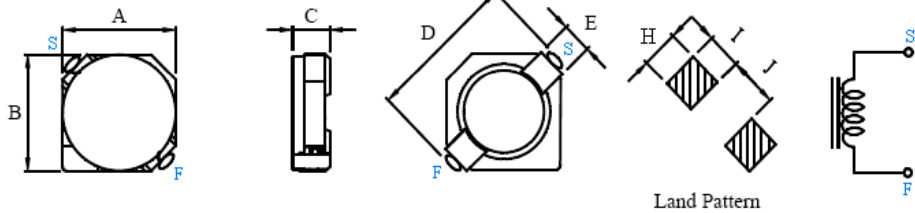


## ORDERING CODE

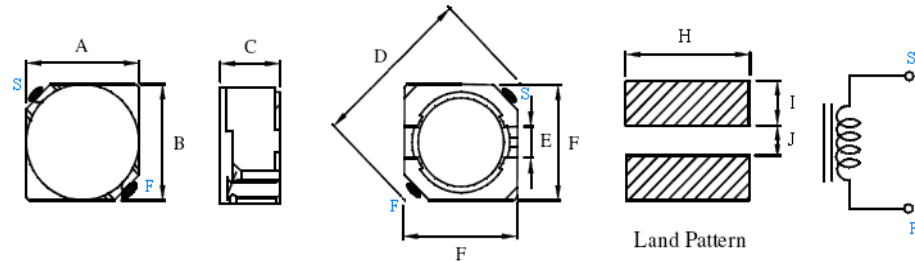
**BSF6D28RHSU**    **100**    **N**    **T**  
 (1)                    (2)    (3)    (4)

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

**2D 3D**



**4D 5D 6D**



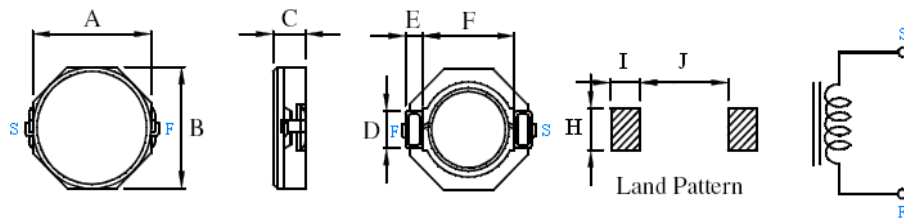
## SHAPE & DIMENSIONS

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 → BSF6D28RHSU SERIES

## ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance ( $\mu$ H)	Test Frequency (KHz)	DC Resistance ( $\Omega$ )max	Isat (A)max
BSF6D28RHSU3R0NT	3.0	10	0.024	3.00
BSF6D28RHSU3R9NT	3.9	10	0.027	2.60
BSF6D28RHSU5R0NT	5.0	10	0.031	2.40
BSF6D28RHSU6R0NT	6.0	10	0.035	2.25
BSF6D28RHSU7R3NT	7.3	10	0.054	2.10
BSF6D28RHSU8R6NT	8.6	10	0.058	1.85
BSF6D28RHSU100MT	10.0	10	0.065	1.70
BSF6D28RHSU120MT	12.0	10	0.070	1.55
BSF6D28RHSU150MT	15.0	10	0.084	1.40
BSF6D28RHSU180MT	18.0	10	0.095	1.32
BSF6D28RHSU220MT	22.0	10	0.128	1.20
BSF6D28RHSU270MT	27.0	10	0.142	1.05
BSF6D28RHSU330MT	33.0	10	0.165	0.97
BSF6D28RHSU390MT	39.0	10	0.210	0.86
BSF6D28RHSU470MT	47.0	10	0.238	0.80
BSF6D28RHSU560MT	56.0	10	0.277	0.73
BSF6D28RHSU680MT	68.0	10	0.304	0.65
BSF6D28RHSU820MT	82.0	10	0.390	0.60
BSF6D28RHSU101MT	100.0	10	0.535	0.54
BSF6D28RHSU121MT	120.0	10	0.750	0.51
BSF6D28RHSU151MT	150.0	10	0.950	0.47
BSF6D28RHSU181MT	180.0	10	1.200	0.41
BSF6D28RHSU221MT	220.0	10	1.500	0.37
BSF6D28RHSU271MT	270.0	10	1.700	0.33
BSF6D28RHSU331MT	330.0	10	2.150	0.28
BSF6D28RHSU391MT	390.0	10	2.250	0.27
BSF6D28RHSU471MT	470.0	10	3.150	0.21
BSF6D28RHSU561MT	560.0	10	3.750	0.20
BSF6D28RHSU681MT	680.0	10	5.150	0.20

Test Freq.:10KHz/0.1V

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

※Isat:Based on Inductance decrease 35%

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