

# 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.

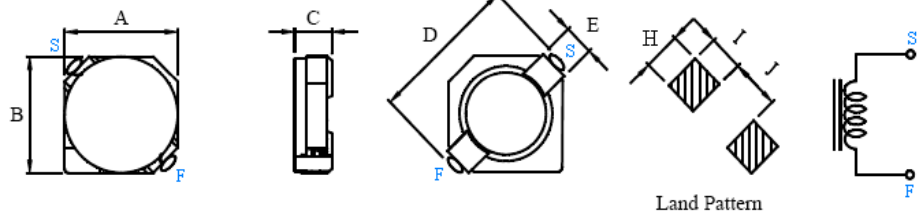


## ORDERING CODE

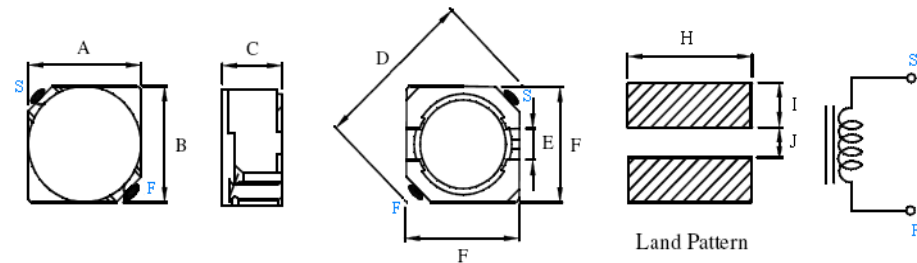
**BSF2D18RHSU**    **100**    **N**    **T**  
 (1)                    (2)    (3)    (4)

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

**2D 3D**



**4D 5D 6D**



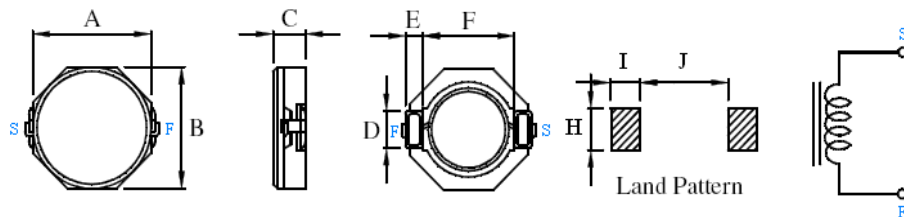
## SHAPE & DIMENSIONS

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 → BSF2D18RHSU SERIES

## ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance ( $\mu$ H)	Test Frequency (KHz)	DC Resistance ( $\Omega$ )max	Isat (A)max
BSF2D18RHSU2R2NT	2.2	100	0.0430	0.85
BSF2D18RHSU3R3NT	3.3	100	0.0600	0.77
BSF2D18RHSU4R7NT	4.7	100	0.0810	0.63
BSF2D18RHSU6R8NT	6.8	100	0.1080	0.57
BSF2D18RHSU8R2NT	8.2	100	0.1790	0.50
BSF2D18RHSU100NT	10.0	100	0.2010	0.45
BSF2D18RHSU150NT	15.0	100	0.2270	0.35
BSF2D18RHSU220NT	22.0	100	0.3310	0.30
BSF2D18RHSU330NT	33.0	100	0.4810	0.23
BSF2D18RHSU470MT	47.0	100	0.6600	0.20

Test Freq.:100KHz/0.1V

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

※Isat:Based on Inductance decrease 35%

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