

# SPECIFICATION OF BSF□□□□DSCC SERIES

## FEATURES

1. Magnetically shielded construction.
2. Compact and thin.



## APPLICATIONS

Notebook , Cellular Phone , DC to DC converter  
PDA , Communication products , VGA card.

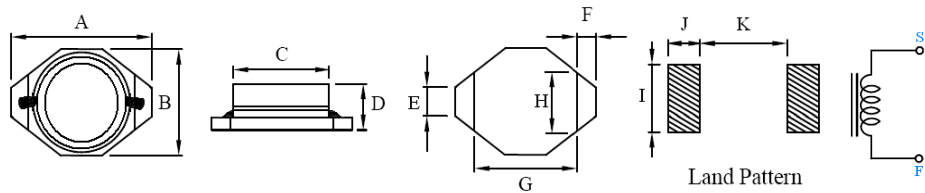
## ORDERING CODE

**BSF0402DSCC** **100** **M** **I**  
(1) (2) (3) (4)

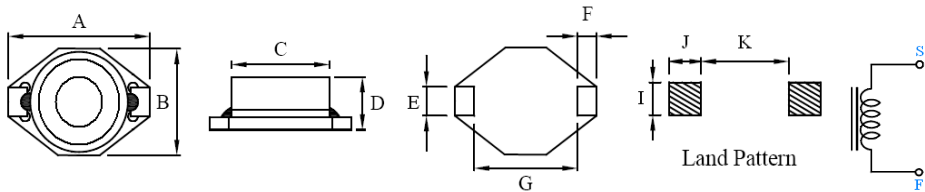


- (1) PRODUCT TYPE CODE AND SIZE CODE
- (2) INDUCTANCE
- (3) INDUCTANCE TOLERANCE ( M : ±20%, N : ±30% )
- (4) REEL TAPING

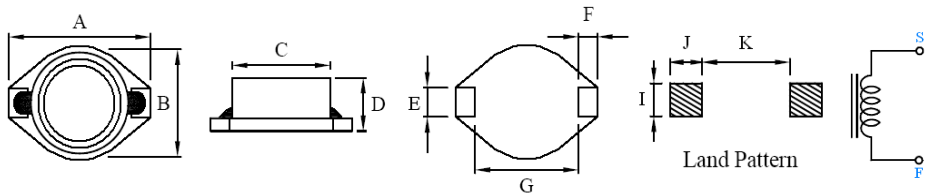
### 0402 Series



### 0804 Series



### 1306 Series



## SHAPE & DIMENSIONS

UNIT:mm

SIZE CODE	A (max)	B (max)	C ±0.3	D (max)	E ±0.3	F ±0.3	G ±0.3	H ±0.3	I	J	K
BSF0402DSCC	6.60	4.45	4.00	2.92	1.27	1.02	4.32	2.50	3.56	1.40	4.06
BSF0804DSCC	12.95	9.40	8.38	5.08	2.54	2.54	7.62	-	2.79	2.92	7.37
BSF1306DSCC	18.54	15.24	12.70	7.62	2.54	2.54	12.70	-	2.79	2.92	12.45

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# SMD POWER INDUCTORS → BSF0804DSCC SERIES

## ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance ( $\mu$ H)	Test Frequency (KHz)	DC Resistance ( $\Omega$ )max	IDC (A)max
BSF0804DSCC1R0MT	1.0	100	0.021	5.60
BSF0804DSCC1R5MT	1.5	100	0.022	5.20
BSF0804DSCC2R2MT	2.2	100	0.032	5.00
BSF0804DSCC3R3MT	3.3	100	0.039	3.90
BSF0804DSCC4R7MT	4.7	100	0.054	3.20
BSF0804DSCC6R8MT	6.8	100	0.075	2.80
BSF0804DSCC100MT	10.0	100	0.101	2.40
BSF0804DSCC150MT	15.0	100	0.150	2.00
BSF0804DSCC220MT	22.0	100	0.207	1.60
BSF0804DSCC330MT	33.0	100	0.334	1.40
BSF0804DSCC470MT	47.0	100	0.472	1.00

Test Freq.:100KHz/0.1V

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

IDC:Based on Inductance decrease 20%

Operating temperature range : -25 to +105°C (including self-generated heat)

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# SMD POWER INDUCTORS → BSF1306DSCC SERIES

## ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance ( $\mu$ H)	Test Frequency (KHz)	DC Resistance ( $\Omega$ )max	IDC (A)max
BSF1306DSCC100MT	10.0	100	0.040	8.00
BSF1306DSCC150MT	15.0	100	0.048	7.00
BSF1306DSCC220MT	22.0	100	0.059	6.00
BSF1306DSCC330MT	33.0	100	0.075	5.00
BSF1306DSCC470MT	47.0	100	0.097	4.00
BSF1306DSCC680MT	68.0	100	0.138	3.00
BSF1306DSCC101MT	100.0	100	0.207	2.40
BSF1306DSCC151MT	150.0	100	0.293	2.10
BSF1306DSCC221MT	220.0	100	0.470	1.90
BSF1306DSCC331MT	330.0	100	0.780	1.10
BSF1306DSCC471MT	470.0	100	1.080	1.10
BSF1306DSCC681MT	680.0	100	1.400	0.96
BSF1306DSCC102MT	1000.0	100	2.010	0.80

Test Freq.:100KHz/0.1V

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

IDC:Based on Inductance decrease 20%

Operating temperature range : -25 to +105°C (including self-generated heat)

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