

# SPECIFICATION OF BSF□□□□SLTD SERIES

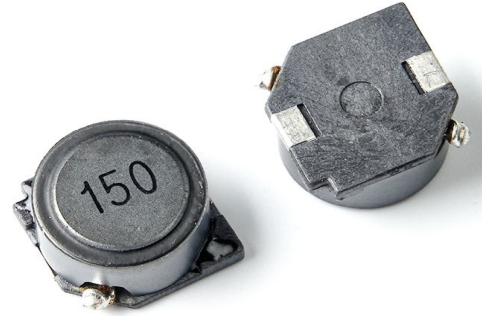
## FEATURES

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



## APPLICATIONS

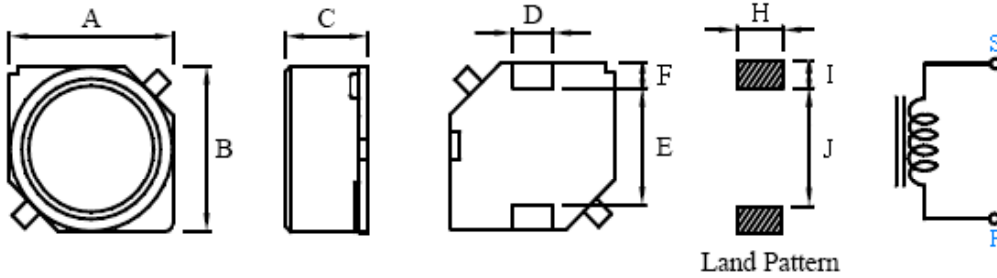
Computers , DC to DC converter , VCR Camera.



## ORDERING CODE

**BSF0628SLTD** 100 M T  
 (1) (2) (3) (4)

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



## SHAPE & DIMENSIONS

UNIT:mm

SIZE CODE	A	B	C	D	E	F	H	I	J
BSF0628SLTD	6.2(max)	6.2(max)	3.0(max)	1.8±0.2	3.0(max)	-	2.2	1.8	2.5
BSF1045SLTD	10.1±0.3	10.1±0.3	4.5±0.3	3.0±0.1	6.0±0.2	2.0±0.15	3.2	2.5	5.6
BSF1255SLTD	12.5±0.3	12.5±0.3	5.5±0.3	3.0±0.1	8.3±0.2	2.0±0.15	3.2	2.5	8.0
BSF1265SLTD	12.5±0.3	12.5±0.3	6.5±0.3	3.0±0.1	8.3±0.2	2.0±0.15	3.2	2.5	8.0
BSF1275SLTD	12.5±0.3	12.5±0.3	7.5±0.3	3.0±0.1	8.3±0.2	2.0±0.15	3.2	2.5	8.0

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# SMD POWER INDUCTORS → BSF0628SLTD SERIES

## ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance ( $\mu$ H)	Test Frequency (KHz)	DC Resistance ( $\Omega$ )max	IDC (A)max
BSF0628SLTD100MT	10.0	1	0.15	1.10
BSF0628SLTD120MT	12.0	1	0.20	1.00
BSF0628SLTD150MT	15.0	1	0.23	0.90
BSF0628SLTD180MT	18.0	1	0.27	0.80
BSF0628SLTD220MT	22.0	1	0.34	0.74
BSF0628SLTD270MT	27.0	1	0.38	0.66
BSF0628SLTD330MT	33.0	1	0.45	0.59
BSF0628SLTD390MT	39.0	1	0.49	0.54
BSF0628SLTD470MT	47.0	1	0.69	0.50
BSF0628SLTD560MT	56.0	1	0.78	0.46
BSF0628SLTD680MT	68.0	1	1.07	0.42
BSF0628SLTD820MT	82.0	1	1.21	0.38
BSF0628SLTD101MT	100.0	1	1.39	0.34
BSF0628SLTD121MT	120.0	1	1.90	0.31
BSF0628SLTD151MT	150.0	1	2.18	0.28
BSF0628SLTD181MT	180.0	1	2.77	0.26
BSF0628SLTD221MT	220.0	1	3.12	0.23
BSF0628SLTD271MT	270.0	1	4.38	0.22
BSF0628SLTD331MT	330.0	1	4.94	0.19

Test Freq.: 1KHz /0.25V

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

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# SMD POWER INDUCTORS → BSF1045SLTD SERIES

## ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance ( $\mu$ H)	Test Frequency (KHz)	DC Resistance ( $\Omega$ ) $\pm$ 20%	IDC (A)max
BSF1045SLTD100MT	10.0	1	0.0364	3.00
BSF1045SLTD150MT	15.0	1	0.0472	2.40
BSF1045SLTD220MT	22.0	1	0.0591	2.10
BSF1045SLTD330MT	33.0	1	0.0815	1.60
BSF1045SLTD470MT	47.0	1	0.1000	1.40
BSF1045SLTD680MT	68.0	1	0.1400	1.20
BSF1045SLTD101MT	100.0	1	0.2000	1.00
BSF1045SLTD151MT	150.0	1	0.3500	0.79
BSF1045SLTD221MT	220.0	1	0.4700	0.65
BSF1045SLTD331MT	330.0	1	0.6800	0.54
BSF1045SLTD471MT	470.0	1	1.0300	0.47
BSF1045SLTD681MT	680.0	1	1.6000	0.38
BSF1045SLTD102MT	1000.0	1	2.8000	0.32
BSF1045SLTD152MT	1500.0	1	3.4000	0.22

Test Freq.: 1KHz /0.25V

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

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# SMD POWER INDUCTORS → BSF1255SLTD SERIES

## ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance ( $\mu$ H)	Test Frequency (KHz)	DC Resistance ( $\Omega$ ) $\pm$ 20%	IDC (A)max
BSF1255SLTD6R0NT	6.0	1	0.0164	3.60
BSF1255SLTD100MT	10.0	1	0.0215	3.40
BSF1255SLTD150MT	15.0	1	0.0259	2.80
BSF1255SLTD220MT	22.0	1	0.0338	2.30
BSF1255SLTD330MT	33.0	1	0.0415	1.90
BSF1255SLTD470MT	47.0	1	0.0618	1.60
BSF1255SLTD680MT	68.0	1	0.0832	1.30
BSF1255SLTD101MT	100.0	1	0.1170	1.10
BSF1255SLTD151MT	150.0	1	0.1900	0.88
BSF1255SLTD221MT	220.0	1	0.2700	0.72
BSF1255SLTD331MT	330.0	1	0.4100	0.59
BSF1255SLTD471MT	470.0	1	0.5200	0.49
BSF1255SLTD681MT	680.0	1	0.7600	0.43
BSF1255SLTD102MT	1000.0	1	1.1200	0.34
BSF1255SLTD152MT	1500.0	1	1.7300	0.29

Test Freq.: 1KHz /0.25V

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

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# SMD POWER INDUCTORS → BSF1265SLTD SERIES

## ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance ( $\mu$ H)	Test Frequency (KHz)	DC Resistance ( $\Omega$ ) $\pm$ 20%	IDC (A)max
BSF1265SLTD2R0NT	2.0	1	0.0117	10.00
BSF1265SLTD4R2NT	4.2	1	0.0150	7.30
BSF1265SLTD7R0NT	7.0	1	0.0177	5.70
BSF1265SLTD100MT	10.0	1	0.0202	5.00
BSF1265SLTD150MT	15.0	1	0.0237	4.20
BSF1265SLTD220MT	22.0	1	0.0316	3.50
BSF1265SLTD330MT	33.0	1	0.0406	2.80
BSF1265SLTD470MT	47.0	1	0.0578	2.40
BSF1265SLTD680MT	68.0	1	0.0787	2.00
BSF1265SLTD101MT	100.0	1	0.1230	1.60
BSF1265SLTD221MT	220.0	1	0.2730	1.00

Test Freq.: 1KHz /0.25V

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

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# SMD POWER INDUCTORS → BSF1275SLTD SERIES

## ELECTRICAL CHARACTERISTIC

ORDERING CODE	Inductance ( $\mu$ H)	Test Frequency (KHz)	DC Resistance ( $\Omega$ ) $\pm$ 20%	IDC (A)max
BSF1275SLTD1R2NT	1.2	1	0.0050	13.00
BSF1275SLTD2R7NT	2.7	1	0.0094	10.00
BSF1275SLTD3R9NT	3.9	1	0.0104	9.00
BSF1275SLTD5R6NT	5.6	1	0.0116	7.80
BSF1275SLTD6R8NT	6.8	1	0.0131	7.20
BSF1275SLTD100MT	10.0	1	0.0156	5.50
BSF1275SLTD150MT	15.0	1	0.0184	4.70
BSF1275SLTD220MT	22.0	1	0.0263	4.00
BSF1275SLTD330MT	33.0	1	0.0395	3.20
BSF1275SLTD470MT	47.0	1	0.0528	2.70
BSF1275SLTD680MT	68.0	1	0.0778	2.00
BSF1275SLTD101MT	100.0	1	0.1250	1.90
BSF1275SLTD151MT	150.0	1	0.1750	1.50
BSF1275SLTD221MT	220.0	1	0.2580	1.30

Test Freq.: 1KHz /0.25V

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

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