

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.

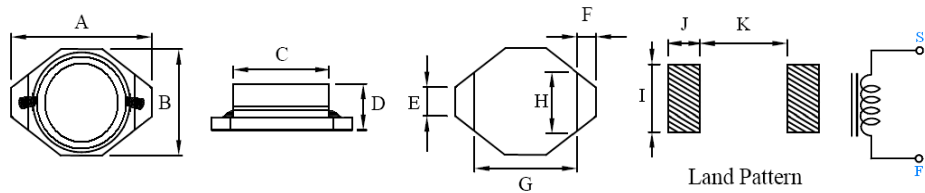


ORDERING CODE

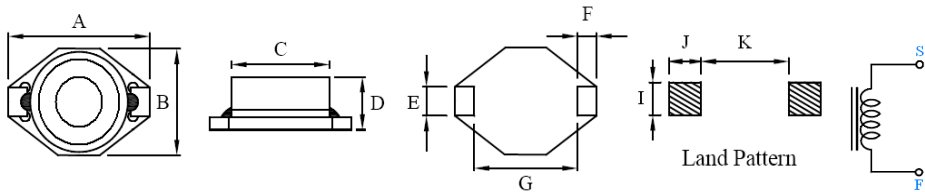
BSF0804DSCC 100 M T
(1) (2) (3) (4)

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

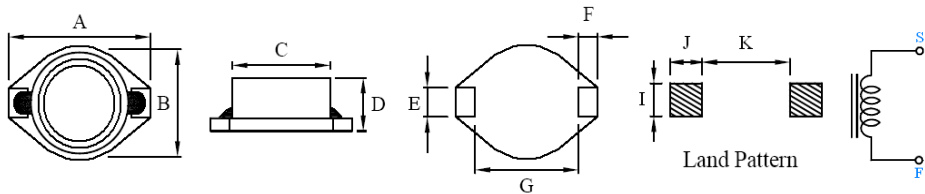
0402 Series



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 |

※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 → BSF0804DSCC SERIES

ELECTRICAL CHARACTERISTIC

| ORDERING CODE | Inductance (μ H) | Test Frequency (KHz) | DC Resistance (Ω)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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