

# SPECIFICATION OF BSF□□□□RHSU SERIES

## FEATURES

To be high saturation for surface mounting.



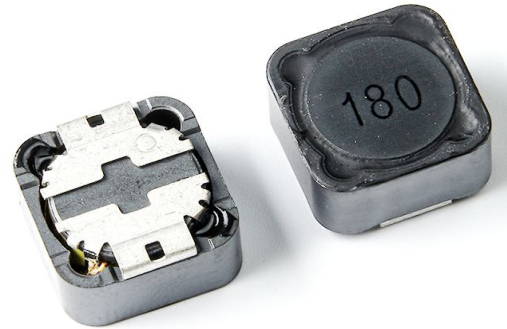
## APPLICATIONS

OA equipment , VTR , LCD television set ,  
notebook PC , portable communication  
equipments DC to DC converters , etc.



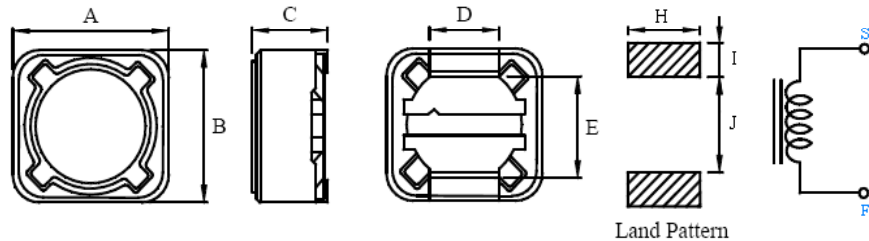
## ORDERING CODE

**BSF0704RHSU** **100** **M** **T**  
(1) (2) (3) (4)

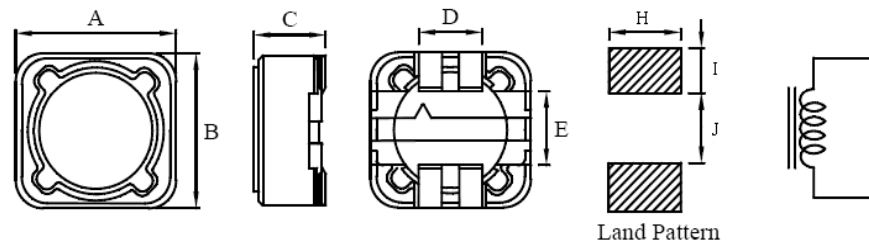


- (1) PRODUCT TYPE CODE AND SIZE CODE
- (2) INDUCTANCE
- (3) INDUCTANCE TOLERANCE ( M : ±20%, N : ±30% )
- (4) REEL TAPING

**0703 0704  
Series**



**1204 1205 1207  
1209 Series**



## SHAPE & DIMENSIONS

UNIT:mm

| SIZE CODE   | A<br>(max) | B<br>(max) | C<br>(max) | D<br>±0.2 | E<br>±0.2 | H   | I   | J   |
|-------------|------------|------------|------------|-----------|-----------|-----|-----|-----|
| BSF0703RHSU | 7.5        | 7.5        | 3.4        | 2.7       | 5.1       | 3.1 | 1.6 | 4.8 |
| BSF0704RHSU | 7.5        | 7.5        | 4.5        | 2.7       | 5.1       | 3.1 | 1.6 | 4.8 |
| BSF1204RHSU | 12.3       | 12.3       | 4.5        | 5.0       | 7.6       | 5.4 | 2.8 | 7.0 |
| BSF1205RHSU | 12.3       | 12.3       | 6.0        | 5.0       | 7.6       | 5.4 | 2.8 | 7.0 |
| BSF1207RHSU | 12.3       | 12.3       | 8.0        | 5.0       | 7.6       | 5.4 | 2.9 | 7.0 |
| BSF1209RHSU | 12.2±0.3   | 12.2±0.3   | 10.0       | 5.0       | 7.6       | 5.4 | 2.9 | 7.0 |

※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 → BSF0704RHSU SERIES

## ELECTRICAL CHARACTERISTIC

| ORDERING CODE    | Inductance<br>( $\mu$ H) | Test Frequency<br>(KHz) | DC Resistance<br>( $\Omega$ )max | Isat<br>(A)max |
|------------------|--------------------------|-------------------------|----------------------------------|----------------|
| BSF0704RHSU100MT | 10.0                     | 1                       | 0.049                            | 1.84           |
| BSF0704RHSU120MT | 12.0                     | 1                       | 0.058                            | 1.71           |
| BSF0704RHSU150MT | 15.0                     | 1                       | 0.081                            | 1.47           |
| BSF0704RHSU180MT | 18.0                     | 1                       | 0.091                            | 1.31           |
| BSF0704RHSU220MT | 22.0                     | 1                       | 0.110                            | 1.23           |
| BSF0704RHSU270MT | 27.0                     | 1                       | 0.150                            | 1.12           |
| BSF0704RHSU330MT | 33.0                     | 1                       | 0.170                            | 0.96           |
| BSF0704RHSU390MT | 39.0                     | 1                       | 0.230                            | 0.91           |
| BSF0704RHSU470MT | 47.0                     | 1                       | 0.260                            | 0.88           |
| BSF0704RHSU560MT | 56.0                     | 1                       | 0.350                            | 0.75           |
| BSF0704RHSU680MT | 68.0                     | 1                       | 0.380                            | 0.69           |
| BSF0704RHSU820MT | 82.0                     | 1                       | 0.430                            | 0.61           |
| BSF0704RHSU101MT | 100.0                    | 1                       | 0.610                            | 0.60           |
| BSF0704RHSU121MT | 120.0                    | 1                       | 0.660                            | 0.52           |
| BSF0704RHSU151MT | 150.0                    | 1                       | 0.880                            | 0.46           |
| BSF0704RHSU181MT | 180.0                    | 1                       | 0.980                            | 0.42           |
| BSF0704RHSU221MT | 220.0                    | 1                       | 1.170                            | 0.36           |
| BSF0704RHSU271MT | 270.0                    | 1                       | 1.640                            | 0.34           |
| BSF0704RHSU331MT | 330.0                    | 1                       | 1.860                            | 0.32           |
| BSF0704RHSU391MT | 390.0                    | 1                       | 2.850                            | 0.29           |
| BSF0704RHSU471MT | 470.0                    | 1                       | 3.010                            | 0.26           |
| BSF0704RHSU561MT | 560.0                    | 1                       | 3.620                            | 0.23           |
| BSF0704RHSU681MT | 680.0                    | 1                       | 4.630                            | 0.22           |
| BSF0704RHSU821MT | 820.0                    | 1                       | 5.200                            | 0.20           |
| BSF0704RHSU102MT | 1000.0                   | 1                       | 6.000                            | 0.18           |

Test Freq.: 1KHz / 0.25V

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

※Isat: Based on Inductance decrease 35%

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