



# FBHA S Series

## Chip Ferrite Bead High Current Type

### Size 0603



#### FEATURES

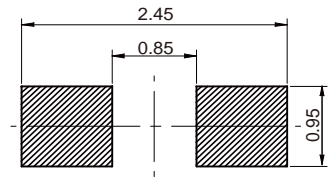
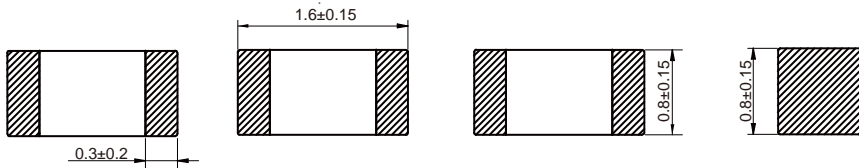
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- Compared to the FBA series, has low direct current resistance for with 2 materials of different features for countermeasures against everything from general signals to high-speed signals.
- Performs well even in signal lines where low direct current resistance is required.
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#### APPLICATION

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Dimensions: [mm]

Land Pattern: [mm]



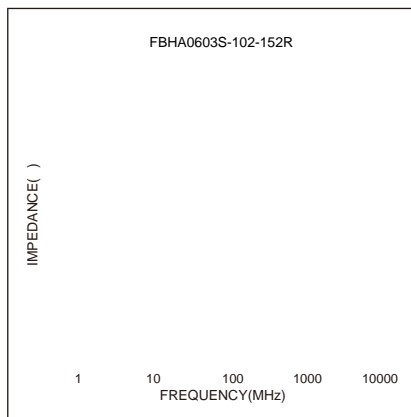
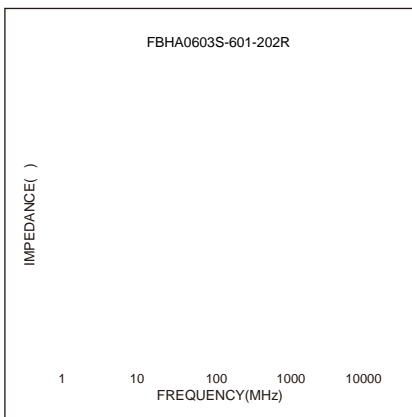
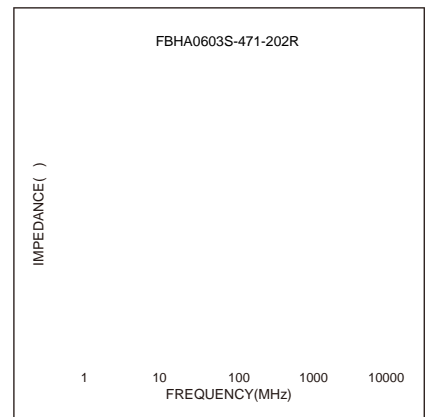
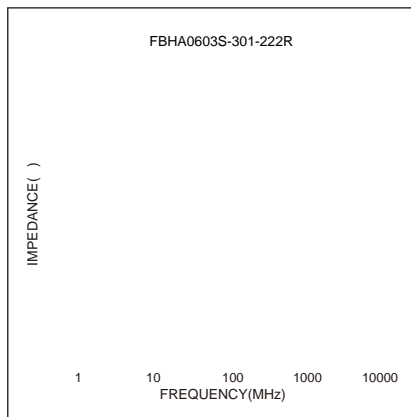
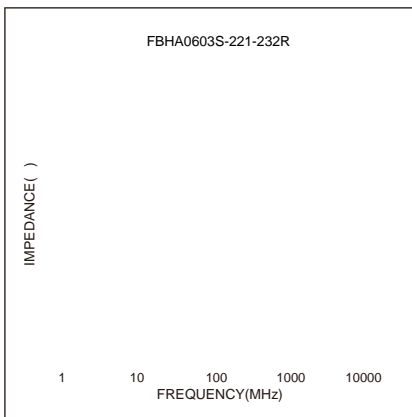
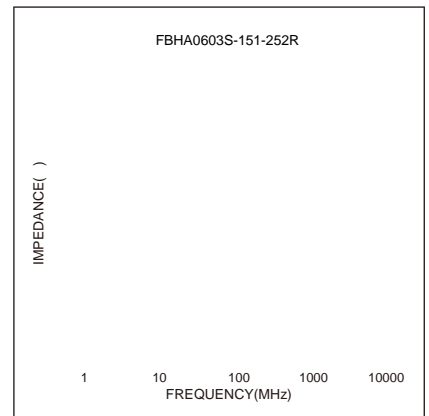
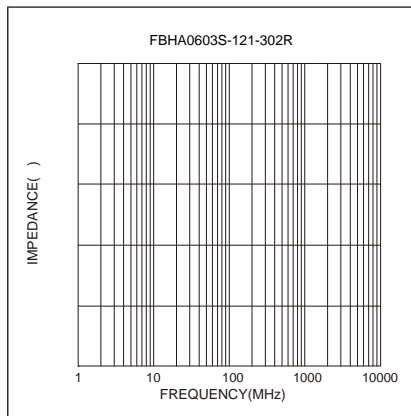
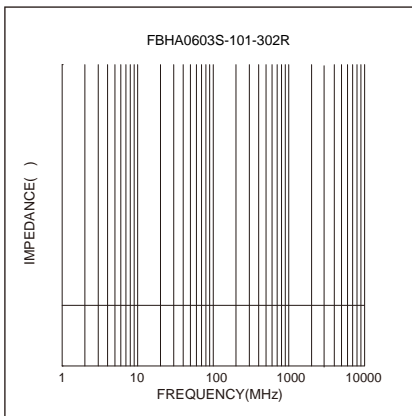
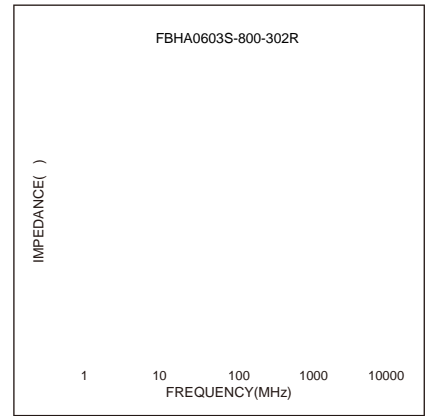
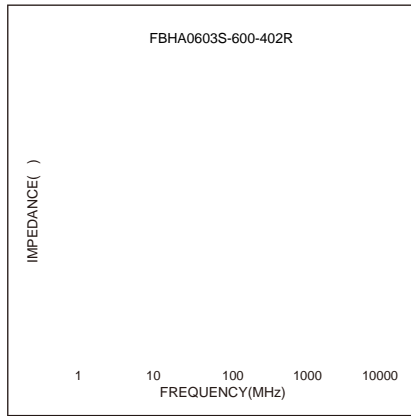
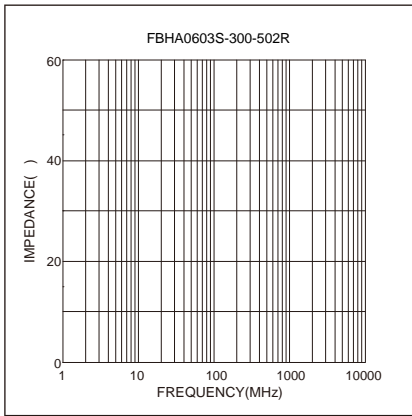
Electrical Properties:

|                    | ( $\Omega$ ) |      | ( $\Omega$ ) | (mA) |
|--------------------|--------------|------|--------------|------|
| FBHA0603S-300-502R | 30           | ±25% | 0.010        | 5000 |
| FBHA0603S-600-402R | 60           | ±25% | 0.020        | 4000 |
| FBHA0603S-800-302R | 80           | ±25% | 0.030        | 3000 |
| FBHA0603S-101-302R | 100          | ±25% | 0.030        | 3000 |
| FBHA0603S-121-302R | 120          | ±25% | 0.035        | 3000 |
| FBHA0603S-151-252R | 150          | ±25% | 0.040        | 2500 |
| FBHA0603S-221-232R | 220          | ±25% | 0.050        | 2300 |
| FBHA0603S-301-222R | 300          | ±25% | 0.070        | 2200 |
| FBHA0603S-471-202R | 470          | ±25% | 0.090        | 2000 |
| FBHA0603S-601-202R | 600          | ±25% | 0.095        | 2000 |
| FBHA0603S-101-152R | 1000         | ±25% | 0.150        | 1500 |

Temperature Rise Current: The actual value of DC current when the temperature rise is  $\Delta T=40^{\circ}\text{C}$



# Typical Electrical Characteristics:

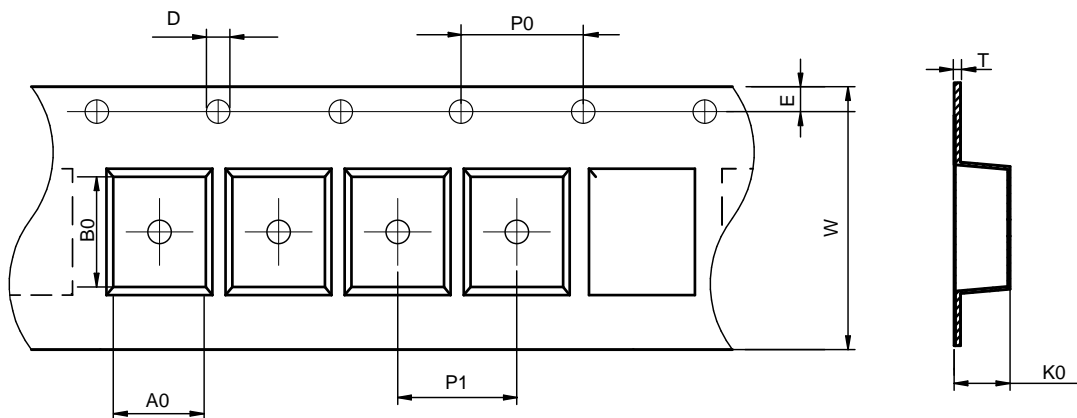




## Soldering Reflow:

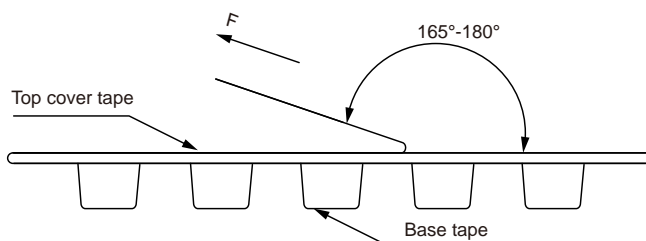
## Packaging Information:

### Tape Dimension:



| Series    | A0 (mm)    | B0 (mm)    | D (mm)   | P0 (mm)  | P1 (mm)  | W (mm)   | K0 (mm)    | E (mm)    | T (mm)     |
|-----------|------------|------------|----------|----------|----------|----------|------------|-----------|------------|
| FBHA0603S | 1.10± 0.05 | 1.90± 0.05 | 1.5± 0.1 | 4.0± 0.1 | 4.0± 0.1 | 8.0± 0.3 | 0.95± 0.05 | 1.75± 0.1 | 0.95± 0.05 |

### Peel force of top cover tape:



The peel force of top cover tape shall be between 0.14 to 0.58 N

