

## FBE Series

### SMD EMI Suppression Ferrite Bead Size 0805

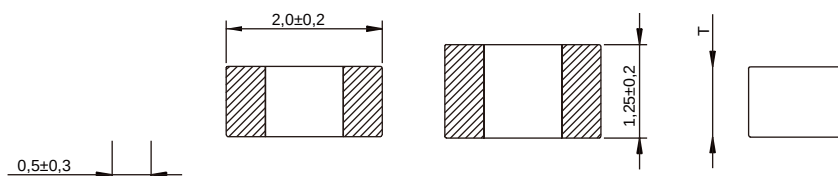
#### CHARACTERISTICS

- Monolithic inorganic material construction.
- Closed magnetic circuit avoids crosstalk.
- Suitable for reflow soldering.
- Available in various sizes.
- Quantity: 4000pcs

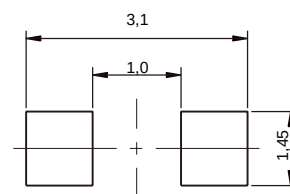
#### APPLICATION

- Data lines and low power lines
- Connection between digital and analog circuit

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

|                  |           |      |      |     |
|------------------|-----------|------|------|-----|
| FBE0805-110-901R | 0.85±0.20 | 11   | 0.10 | 900 |
| FBE0805-170-601R | 0.85±0.20 | 17   | 0.10 | 600 |
| FBE0805-260-601R | 0.85±0.20 | 26   | 0.10 | 600 |
| FBE0805-300-601R | 0.85±0.20 | 30   | 0.10 | 600 |
| FBE0805-400-601R | 0.85±0.20 | 40   | 0.10 | 600 |
| FBE0805-600-901R | 0.85±0.20 | 60   | 0.10 | 900 |
| FBE0805-121-801R | 0.85±0.20 | 120  | 0.20 | 800 |
| FBE0805-151-801R | 0.85±0.20 | 150  | 0.20 | 800 |
| FBE0805-221-751R | 0.85±0.20 | 220  | 0.30 | 750 |
| FBE0805-301-701R | 0.85±0.20 | 300  | 0.30 | 700 |
| FBE0805-471-701R | 0.85±0.20 | 470  | 0.35 | 700 |
| FBE0805-601-501R | 0.85±0.20 | 600  | 0.40 | 500 |
| FBE0805-102-401R | 0.85±0.20 | 1000 | 0.45 | 400 |
| FBE0805-152-351R | 0.85±0.20 | 1500 | 0.50 | 350 |
| FBE0805-202-251R | 0.85±0.20 | 2000 | 0.60 | 250 |
| FBE0805-070-601R | 0.85±0.20 | 7    | 0.10 | 600 |
| FBE0805-300-701R | 0.85±0.20 | 30   | 0.20 | 700 |

| Part No          | Thickness<br>T size<br>(mm) | Impedance<br>@100MHz<br>(Ω) | Tolerance | DCR<br>(max)<br>(Ω) | Temperature Rise<br>Current (max)<br>(mA) |
|------------------|-----------------------------|-----------------------------|-----------|---------------------|-------------------------------------------|
| FBE0805-600-701R | 0.85±0.20                   | 60                          | ±25%      | 0.20                | 700                                       |
| FBE0805-121-601R | 0.85±0.20                   | 120                         | ±25%      | 0.25                | 600                                       |
| FBE0805-151-601R | 0.85±0.20                   | 150                         | ±25%      | 0.25                | 600                                       |
| FBE0805-221-401R | 0.85±0.20                   | 220                         | ±25%      | 0.30                | 400                                       |
| FBE0805-301-401R | 0.85±0.20                   | 300                         | ±25%      | 0.35                | 400                                       |
| FBE0805-471-401R | 1.25±0.20                   | 470                         | ±25%      | 0.40                | 400                                       |
| FBE0805-601-301R | 1.25±0.20                   | 600                         | ±25%      | 0.45                | 300                                       |
| FBE0805-102-501R | 0.85±0.20                   | 1000                        | ±25%      | 0.35                | 500                                       |

Operating Temperature: -55℃ ~ +125℃

Temperature rise current the actual value of DC current when the temperature rise is ΔT40℃

## Impedance & Frequency Characteristics:

