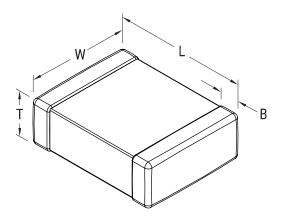
KEMET Part Number: CBR06C509BAGAC



CBR-SMD RF C0G, Ceramic, High Q, 5 pF, +/-0.1 pF, 250 VDC, C0G, SMD, Fixed, RF, Ultra High Q, Low ESR, Class I, 0603



| Dimensions | |
|------------|-----------------|
| L | 1.6mm +/-0.1mm |
| W | 0.8mm +/-0.1mm |
| Т | 0.8mm +/-0.07mm |
| В | 0.4mm +/-0.15mm |

| Packaging Specifications | | |
|--------------------------|--------------------------|--|
| Packaging: | T&R, 180mm, Plastic Tape | |
| Packaging Quantity: | 4000 | |

| General Information | |
|---------------------|---|
| Supplier: | KEMET |
| Series: | CBR-SMD RF C0G |
| Style: | SMD Chip |
| Description: | SMD, Fixed, RF, Ultra High Q, Low ESR, Class I |
| Features: | Ultra High Q, Low ESR, Class I |
| RoHS: | Yes |
| Termination: | Tin |
| Marking: | No |
| Miscellaneous: | Minimum Q = 900 |
| Notes: | Solder Wave or Solder Reflow |
| Chip Size: | 0603 |

| Specifications | | |
|-------------------------------------|---------------------|--|
| Capacitance: | 5 pF | |
| Capacitance Tolerance: | +/-0.1 pF | |
| Voltage DC: | 250 VDC | |
| Dielectric Withstanding Voltage: | 500 V | |
| Temperature Range: | -55/+125C | |
| Temperature Coefficient: | COG | |
| Dissipation Factor: | 0.20% | |
| Aging Rate: | 0% Loss/Decade Hour | |
| Insulation Resistance: | 10 GOhms | |
| Quality Factor: | 900 | |

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