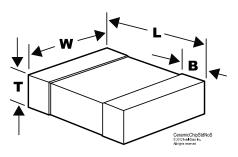
KEMET Part Number: CBR04C508A5GAC



CBR-SMD RF C0G, Ceramic, High Q, 0.5 pF, +/-0.05 pF, 50 V, C0G, SMD, Fixed, RF, Ultra High Q, Low ESR, Class I, 0402



| Dimensions | | |
|------------|---------------------|--|
| L | 1mm +/-0.05mm | |
| W | 0.5mm +/-0.05mm | |
| Т | 0.5mm +/-0.05mm | |
| В | 0.25mm +0.05/-0.1mm | |

| Packaging Specifications | | |
|--------------------------|--------------------------|--|
| Packaging: | T&R, 180mm, Plastic Tape | |
| Packaging Quantity: | 10000 | |

| 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 = 810 |
| Notes: | Solder Reflow Only |
| Chip Size: | 0402 |

| Specifications | | |
|-------------------------------------|---------------------|--|
| Capacitance: | 0.5 pF | |
| Capacitance Tolerance: | +/-0.05 pF | |
| Voltage DC: | 50 VDC | |
| Dielectric Withstanding Voltage: | 125 V | |
| Temperature Range: | -55/+125C | |
| Temperature Coefficient: | COG | |
| Dissipation Factor: | 0.244% | |
| Aging Rate: | 0% Loss/Decade Hour | |
| Insulation Resistance: | 10 GOhms | |
| Quality Factor: | 810 | |

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