## KEMET Part Number: CBR06C689B5GAC



## CBR-SMD RF C0G, Ceramic, High Q, 6.8 pF, +/-0.1 pF, 50 V, 0603, C0G, SMD, Fixed, RF, Ultra High Q, Low ESR, Class I



| General Information |   |
|---------------------|---|
| Supplier:           | KEMET   |
| Series:             | CBR-SMD RF C0G                                    |
| Style:              | SMD Chip  |
| Chip Size:          | 0603  |
| Description:        | SMD, Fixed, RF, Ultra High Q,<br>Low ESR, Class I |
| Features:           | Ultra High Q, Low ESR, Class I                    |
| RoHS:               | Yes   |
| Termination:        | Tin   |
| Marking:            | No  |
| Miscellaneous:      | Minimum Q = 936                                   |
| Notes:              | Solder Wave or Solder Reflow                      |

| 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                     |

| Specifications                      |                     |
|-------------------------------------|---------------------|
| Capacitance:                        | 6.8 pF              |
| Capacitance Tolerance:              | +/-0.1 pF           |
| Voltage DC:                         | 50 VDC              |
| Dielectric Withstanding<br>Voltage: | 125 V               |
| Temperature Range:                  | -55/+125C           |
| Temperature Coefficient:            | COG                 |
| Dissipation Factor:                 | 0.187%              |
| Aging Rate:                         | 0% Loss/Decade Hour |
| Insulation Resistance:              | 10 GOhms            |
| Quality Factor:                     | 936                 |

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