

**KEMET Part Number: CBR06C390JAGAC**  
(CBR06C390JAGACTU)

Ceramic, High Q, Microwave (CBR), 39 pF, 5%, 250 V, 0603, COG, SMD, Fixed, RF, Ultra High Q, Low ESR, Class I



**Dimensions**

|          |                 |
|----------|-----------------|
| <b>L</b> | 1.6mm +/-0.1mm  |
| <b>W</b> | 0.8mm +/-0.1mm  |
| <b>T</b> | 0.8mm +/-0.07mm |
| <b>B</b> | 0.4mm +/-0.15mm |

**Packaging Specifications**

|                            |                          |
|----------------------------|--------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 4000                     |

**General Information**

|                       |  |
|-----------------------|--|
| <b>Style:</b>         | SMD Chip                                       |
| <b>Series:</b>        | Microwave (CBR)                                |
| <b>Chip Size:</b>     | 0603   |
| <b>Description:</b>   | SMD, Fixed, RF, Ultra High Q, Low ESR, Class I |
| <b>Features:</b>      | Ultra High Q, Low ESR, Class I                 |
| <b>RoHS:</b>          | Yes  |
| <b>Termination:</b>   | Tin  |
| <b>Marking:</b>       | No   |
| <b>Miscellaneous:</b> | Minimum Q = 1400                               |
| <b>Notes:</b>         | Solder Wave or Solder Reflow                   |

**Specifications**

|                                 |                     |
|---------------------------------|---------------------|
| <b>Capacitance:</b>             | 39 pF               |
| <b>Capacitance Tolerance:</b>   | 5%                  |
| <b>Voltage DC:</b>              | 250 VDC             |
| <b>Temperature Range:</b>       | -55/+125C           |
| <b>Temperature Coefficient:</b> | COG                 |
| <b>Dissipation Factor:</b>      | 0.1%                |
| <b>Aging Rate:</b>              | 0% Loss/Decade Hour |
| <b>Insulation Resistance:</b>   | 10 GOhms            |
| <b>Dielectric Strength:</b>     | 500 V               |
| <b>Quality Factor:</b>          | 1400                |