

**KEMET Part Number: C0805X390JCGACTU**  
(C0805X390JCGAC7800)

SMD Comm C0G HV Flex, Ceramic, 39 pF, 5%, 500 VDC, C0G, SMD, MLCC, FT-CAP, Ultra-Stable, 0805



**General Information**

|                     |                                 |
|---------------------|---------------------------------|
| <b>Supplier:</b>    | KEMET                           |
| <b>Series:</b>      | SMD Comm C0G HV Flex            |
| <b>Style:</b>       | SMD Chip                        |
| <b>Description:</b> | SMD, MLCC, FT-CAP, Ultra-Stable |
| <b>Features:</b>    | FT-CAP, Ultra-Stable            |
| <b>RoHS:</b>        | Yes                             |
| <b>Termination:</b> | Flexible Termination            |
| <b>Marking:</b>     | No                              |
| <b>Chip Size:</b>   | 0805                            |

**Dimensions**

|          |                  |
|----------|------------------|
| <b>L</b> | 2mm +/-0.3mm     |
| <b>W</b> | 1.25mm +/-0.3mm  |
| <b>T</b> | 1.25mm +/-0.15mm |
| <b>S</b> | 0.75mm MIN       |
| <b>B</b> | 0.5mm +/-0.25mm  |

**Packaging Specifications**

|                            |                          |
|----------------------------|--------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 2500                     |

**Specifications**

|                                         |                     |
|-----------------------------------------|---------------------|
| <b>Capacitance:</b>                     | 39 pF               |
| <b>Capacitance Tolerance:</b>           | 5%                  |
| <b>Voltage DC:</b>                      | 500 VDC             |
| <b>Dielectric Withstanding Voltage:</b> | 750 V               |
| <b>Temperature Range:</b>               | -55/+125C           |
| <b>Temperature Coefficient:</b>         | C0G                 |
| <b>Dissipation Factor:</b>              | 0.10% 1MHz 25C      |
| <b>Aging Rate:</b>                      | 0% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 100 GOhms           |