

**KEMET Part Number: C1210X682J5GACTU**  
(C1210X682J5GAC7800)

SMD Comm C0G Flex, Ceramic, 6800 pF, 5%, 50 VDC, C0G, SMD, MLCC, FT-CAP, Ultra-Stable, 1210



**Dimensions**

|          |                  |
|----------|------------------|
| <b>L</b> | 3.3mm +/-0.4mm   |
| <b>W</b> | 2.6mm +/-0.3mm   |
| <b>T</b> | 0.78mm +/-0.20mm |
| <b>B</b> | 0.6mm +/-0.25mm  |

**Packaging Specifications**

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

**General Information**

|                       |   |
|-----------------------|---|
| <b>Supplier:</b>      | KEMET   |
| <b>Series:</b>        | SMD Comm C0G 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>Miscellaneous:</b> | Note: KEMET 50V rated parts may be operated at 63 Volts |
| <b>Chip Size:</b>     | 1210  |

**Specifications**

|   |                     |
|---|---------------------|
| <b>Capacitance:</b>                     | 6800 pF             |
| <b>Capacitance Tolerance:</b>           | 5%                  |
| <b>Voltage DC:</b>                      | 50 VDC              |
| <b>Dielectric Withstanding Voltage:</b> | 125 V               |
| <b>Temperature Range:</b>               | -55/+125C           |
| <b>Temperature Coefficient:</b>         | C0G                 |
| <b>Dissipation Factor:</b>              | 0.10% 1kHz 25C      |
| <b>Aging Rate:</b>                      | 0% Loss/Decade Hour |
| <b>Insulation Resistance:</b>           | 100 GOhms           |