

**KEMET Part Number: C1210C154J5GACTU**  
(C1210C154J5GAC7800)

SMD Comm C0G, Ceramic, 0.15 uF, 5%, 50 VDC, C0G, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 1210



**Dimensions**

|                  |                 |
|------------------|-----------------|
| <b>Chip Size</b> | 1210            |
| <b>L</b>         | 3.2mm +/-0.2mm  |
| <b>W</b>         | 2.5mm +/-0.2mm  |
| <b>T</b>         | 1.7mm +/-0.20mm |
| <b>B</b>         | 0.5mm +/-0.25mm |

**Packaging Specifications**

|                            |                          |
|----------------------------|--------------------------|
| <b>Packaging:</b>          | T&R, 180mm, Plastic Tape |
| <b>Packaging Quantity:</b> | 2000                     |

**General Information**

|                       |                                                         |
|-----------------------|---------------------------------------------------------|
| <b>Series:</b>        | SMD Comm C0G                                            |
| <b>Style:</b>         | SMD Chip                                                |
| <b>Description:</b>   | SMD, MLCC, Ultra-Stable, Low Loss, Class I              |
| <b>Features:</b>      | Ultra-Stable, Low Loss, Class I                         |
| <b>RoHS:</b>          | Yes                                                     |
| <b>Termination:</b>   | Tin                                                     |
| <b>Marking:</b>       | No                                                      |
| <b>AEC-Q200:</b>      | No                                                      |
| <b>Miscellaneous:</b> | Note: KEMET 50V rated parts may be operated at 63 Volts |
| <b>Shelf Life:</b>    | 78 Weeks                                                |
| <b>MSL:</b>           | 1                                                       |

**Specifications**

|                                                                            |                        |
|----------------------------------------------------------------------------|------------------------|
| <b>Capacitance:</b>                                                        | 0.15 uF                |
| <b>Capacitance Tolerance:</b>                                              | 5%                     |
| <b>Voltage DC:</b>                                                         | 50 VDC                 |
| <b>Dielectric Withstanding Voltage:</b>                                    | 125 VDC                |
| <b>Temperature Range:</b>                                                  | -55/+125°C             |
| <b>Temperature Coefficient:</b>                                            | C0G                    |
| <b>Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):</b> | 30 ppm/C, 1kHz 1.0Vrms |
| <b>Dissipation Factor:</b>                                                 | 0.10% 1kHz 1.0Vrms     |
| <b>Aging Rate:</b>                                                         | 0% Loss/Decade Hour    |
| <b>Insulation Resistance:</b>                                              | 6.667 GOhms            |