

**KEMET Part Number: C0805X103F1GACTU**  
(C0805X103F1GAC7800)

SMD Comm COG Flex, Ceramic, 0.01 uF, 1%, 100 VDC, COG, SMD, MLCC, FT-CAP, Ultra-Stable, 0805



**Dimensions**

| Chip Size | 0805            |
|-----------|-----------------|
| L         | 2mm +/-0.3mm    |
| W         | 1.25mm +/-0.3mm |
| T         | 0.9mm +/-0.10mm |
| S         | 0.75mm MIN      |
| B         | 0.5mm +/-0.25mm |

**Packaging Specifications**

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

**General Information**

|                          |                                 |
|--------------------------|---------------------------------|
| <b>Series:</b>           | SMD Comm COG 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>AEC-Q200:</b>         | No                              |
| <b>Component Weight:</b> | 13 mg                           |
| <b>Shelf Life:</b>       | 78 Weeks                        |
| <b>MSL:</b>              | 1                               |

**Specifications**

|  |                        |
|--|------------------------|
| <b>Capacitance:</b>  | 0.01 uF                |
| <b>Measurement Condition:</b>  | 1 kHz 1.0Vrms          |
| <b>Capacitance Tolerance:</b>  | 1%                     |
| <b>Voltage DC:</b>   | 100 VDC                |
| <b>Dielectric Withstanding Voltage:</b>                                    | 250 VDC                |
| <b>Temperature Range:</b>  | -55/+125°C             |
| <b>Temperature Coefficient:</b>  | COG                    |
| <b>Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC):</b> | 30 ppm/C, 1kHz 1.0Vrms |
| <b>Dissipation Factor:</b>   | 0.1% 1 kHz 1.0Vrms     |
| <b>Aging Rate:</b>   | 0% Loss/Decade Hour    |
| <b>Insulation Resistance:</b>  | 100 GOhms              |

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