

**KEMET Part Number: C0805X223J5GACTU**  
(C0805X223J5GAC7800)

Capacitor, Ceramic, SMD, MLCC, FT-CAP, Ultra Stable, 0.022 uF, +/-5% Tol, 50 V, COG, 0805 (2012 metric)



| General Information      |                                 |
|--------------------------|---------------------------------|
| Supplier:                | KEMET                           |
| Application:             | Standard Chip                   |
| Chip Size:               | 0805 (2012 metric)              |
| Temperature Coefficient: | COG                             |
| Part Type Description:   | SMD, MLCC, FT-CAP, Ultra Stable |
| Termination Type:        | Flexible Termination            |
| Marked:                  | No                              |
| RoHS:                    | Yes                             |

| Dimensions (mm) |           |           |
|-----------------|-----------|-----------|
| Symbol          | Dimension | Tolerance |
| L               | 2         | +/-0.3    |
| W               | 1.25      | +/-0.3    |
| T               | 1.1       | +/-0.10   |
| B               | 0.5       | +/-0.25   |
| S               | 0.75      | MIN       |

| Specifications         |   |
|------------------------|---|
| Capacitance:           | 0.022 uF  |
| Voltage:               | 50 V  |
| Tolerance:             | +/-5%   |
| Temperature Range:     | -55/+125C   |
| Dissipation Factor:    | 0.1%  |
| Failure Rate:          | N/A   |
| Aging Rate:            | 0% loss/decade hour                                     |
| Insulation Resistance: | 45.46 GOhm  |
| Dielectric Strength:   | 125 V   |
| Miscellaneous:         | Note: KEMET 50V rated parts may be operated at 63 Volts |

| Packaging Specifications |              |
|--------------------------|--------------|
| Package Kind:            | T&R          |
| Package Size:            | 7 in/180 mm  |
| Package Type:            | Plastic Tape |
| Package Quantity:        | 2500         |