

KEMET Part Number: C0603C689C5GACTU
(C0603C689C5GAC7867)

Capacitor, Ceramic, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 6.8 pF, +/-0.25pF Tol, 50 V, COG, 0603 (1608 metric)



| General Information | |
|--------------------------|--|
| Supplier: | KEMET |
| Application: | Standard Chip |
| Chip Size: | 0603 (1608 metric) |
| Temperature Coefficient: | COG |
| Part Type Description: | SMD, MLCC, Ultra-Stable, Low Loss, Class I |
| Termination Type: | Tin (Sn) |
| Marked: | No |
| RoHS: | Yes |

| Dimensions (mm) | | |
|-----------------|-----------|-----------|
| Symbol | Dimension | Tolerance |
| L | 1.6 | +/-0.15 |
| W | 0.8 | +/-0.15 |
| T | 0.8 | +/-0.07 |
| B | 0.35 | +/-0.15 |
| S | 0.7 | MIN |

| Specifications | |
|------------------------|---|
| Capacitance: | 6.8 pF |
| Voltage: | 50 V |
| Tolerance: | +/-0.25pF |
| Temperature Range: | -55/+125C |
| Dissipation Factor: | 0.1% |
| Failure Rate: | N/A |
| Aging Rate: | 0% loss/decade hour |
| Insulation Resistance: | 100 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: | Paper Tape |
| Package Quantity: | 4000 |