

**KEMET Part Number: C0603C512J5GACTU**  
(C0603C512J5GAC7867)

Capacitor, Ceramic, SMD, MLCC, Ultra-Stable, Low Loss, Class I, 5100 pF, +/-5% 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:           | 5100 pF   |
| 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: | 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        |