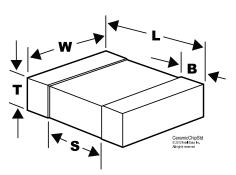
## **KEMET Part Number: C0603X101J5GACTU**

(C0603X101J5GAC7867)



Capacitor, Ceramic, SMD, MLCC, FT-CAP, Ultra Stable, 100 pF, +/-5% Tol, 50V, C0G, 0603 (1608 metric)



| Dimensions (mm) |           |             |  |
|-----------------|-----------|-------------|--|
| Symbol          | Dimension | Tolerance   |  |
| L               | 1.6       | +0.2/-0.1   |  |
| W               | 0.8       | +/-0.15     |  |
| Т               | 0.80      | +/-0.07     |  |
| В               | 0.45      | +0.05/-0.15 |  |
| S               | 0.58      | MIN         |  |

| Packaging Specifications |            |  |
|--------------------------|------------|--|
| Package Kind:            | T&R        |  |
| Package Size:            | 7in        |  |
| Package Type:            | Paper Tape |  |
| Package Quantity:        | 4000       |  |

| General Information       |   |  |
|---------------------------|---|--|
| Supplier:                 | KEMET   |  |
| Part Type Description:    | SMD, MLCC, FT-CAP, Ultra<br>Stable                      |  |
| Miscellaneous Electrical: | Note: KEMET 50V rated parts may be operated at 63 Volts |  |

| Specifications           |                                       |  |
|--------------------------|---------------------------------------|--|
| Capacitance:             | 100 pF                                |  |
| Chip Size:               | 0603 (1608 metric)                    |  |
| Voltage:                 | 50V                                   |  |
| Temperature Coefficient: | COG                                   |  |
| Tolerance:               | +/-5%                                 |  |
| Application:             | Standard Chip/Flexible<br>Termination |  |
| Termination Type:        | Flexible Termination                  |  |
| Marked:                  | No                                    |  |
| Temperature Range:       | -55/+125C                             |  |
| Dissipation Factor:      | 0.1%                                  |  |
| Aging Rate:              | 0% loss/decade hour                   |  |
| Insulation Resistance:   | 100 GOhm                              |  |
| Dielectric Strength:     | 125V                                  |  |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

