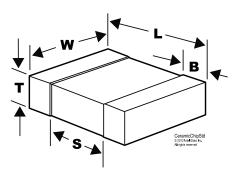
## KEMET Part Number: C0805X102J5GACTU

(C0805X102J5GAC7800)



Capacitor, Ceramic, SMD, MLCC, FT-CAP, Ultra Stable, 1000 pF, +/-5% Tol, 50 V, C0G, 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<br>Stable |
| Termination Type:        | Flexible Termination               |
| Marked:                  | No                                 |
| RoHS:                    | Yes                                |

| Dimensions (mm) |           |           |
|-----------------|-----------|-----------|
| Symbol          | Dimension | Tolerance |
| L               | 2         | +/-0.3    |
| W               | 1.25      | +/-0.3    |
| Т               | 0.78      | +/-0.20   |
| В               | 0.5       | +/-0.25   |
| S               | 0.75      | MIN       |

| Packaging Specifications |              |  |
|--------------------------|--------------|--|
| Package Kind:            | T&R          |  |
| Package Size:            | 7 in/180 mm  |  |
| Package Type:            | Plastic Tape |  |
| Package Quantity:        | 4000         |  |

| Specifications         |                                                         |
|------------------------|---------------------------------------------------------|
| Capacitance:           | 1000 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 |

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