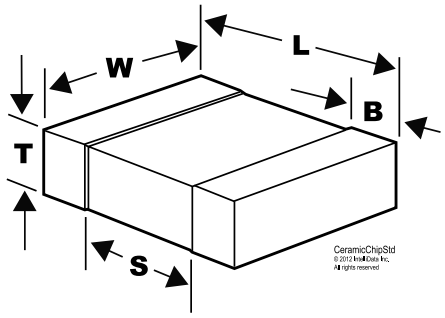
# KEMET Part Number: C0805C101K5RACTU

(C0805C101K5RAC7800)

Capacitor, Ceramic, SMD, MLCC, Temperature Stable, Class II, 100 pF, +/-10% Tol, 50 V, X7R, 0805 (2012 metric)




| General Information | |
|---|---|
| **Supplier:** | KEMET |
| **Application:** | Standard Chip |
| **Chip Size:** | 0805 (2012 metric) |
| **Temperature Coefficient:** | X7R |
| **Part Type Description:** | SMD, MLCC, Temperature Stable, Class II |
| **Termination Type:** | Tin (Sn) |
| **Marked:** | No |
| **RoHS:** | Yes |

| Dimensions (mm) | | |
|---|---|---|
| **Symbol** | **Dimension** | **Tolerance** |
| **L** | 2 | +/-0.2 |
| **W** | 1.25 | +/-0.2 |
| **T** | 0.78 | +/-0.10 |
| **B** | 0.5 | +/-0.25 |
| **S** | 0.75 | MIN |

| Specifications | |
|---|---|
| **Capacitance:** | 100 pF |
| **Voltage:** | 50 V |
| **Tolerance:** | +/-10% |
| **Temperature Range:** | -55/+125C |
| **Dissipation Factor:** | 2.5% |
| **Failure Rate:** | N/A |
| **Aging Rate:** | 3% loss/decade hour |
| **Insulation Resistance:** | 100 GOhm |
| **Dielectric Strength:** | 125 V |
| **Miscellaneous:** | Note: Referee time for X7R dielectric for this part number is 1000 hours |

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

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