

Capacitor, Ceramic, SMD, MLCC, Ultra-Stable, Low Loss, Auto Grade, 180 pF, +/-5% Tol, 50 V, COG, 0402 (1005 metric)



| General Information      |   |
|--------------------------|---|
| Supplier:                | KEMET   |
| Application:             | Automotive (AEC-Q200 Qualified)               |
| Chip Size:               | 0402 (1005 metric)                            |
| Temperature Coefficient: | COG   |
| Part Type Description:   | SMD, MLCC, Ultra-Stable, Low Loss, Auto Grade |
| Termination Type:        | Tin (Sn)                                      |
| Marked:                  | No  |
| RoHS:                    | Yes   |
| Approvals:               | AEC-Q200                                      |

| Dimensions (mm) |           |           |
|-----------------|-----------|-----------|
| Symbol          | Dimension | Tolerance |
| L               | 1         | +/-0.05   |
| W               | 0.5       | +/-0.05   |
| T               | 0.5       | +/-0.05   |
| B               | 0.3       | +/-0.1    |
| S               | 0.3       | MIN       |

| Specifications         |   |
|------------------------|---|
| Capacitance:           | 180 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:        | 10000       |