

Capacitor, Ceramic, SMD, MLCC, Temperature Stable, Automotive Grade, 1000 pF, +/-10% Tol, 100 V, X7R, 0603 (1608 metric)



| General Information | |
|--------------------------|---|
| Supplier: | KEMET |
| Application: | Automotive (AEC-Q200 Qualified) |
| Chip Size: | 0603 (1608 metric) |
| Temperature Coefficient: | X7R |
| Part Type Description: | SMD, MLCC, Temperature Stable, Automotive Grade |
| 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 |

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

| Specifications | |
|------------------------|--|
| Capacitance: | 1000 pF |
| Voltage: | 100 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: | 250 V |
| Miscellaneous: | Note: Referee time for X7R dielectric for this part number is 1000 hours |