

Capacitor, Ceramic, SMD, MLCC, FT-CAP, Auto Grade, 0.1 uF, +/-5% Tol, 50 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, FT-CAP, Auto Grade |
| Termination Type: | Flexible Termination |
| Marked: | No |
| RoHS: | Yes |

| Dimensions (mm) | | |
|-----------------|-----------|-----------|
| Symbol | Dimension | Tolerance |
| L | 1.6 | +/-0.17 |
| W | 0.8 | +/-0.15 |
| T | 0.8 | +/-0.15 |
| B | 0.45 | +/-0.15 |
| S | 0.58 | MIN |

| Specifications | |
|------------------------|--|
| Capacitance: | 0.1 uF |
| Voltage: | 50 V |
| Tolerance: | +/-5% |
| Temperature Range: | -55/+125C |
| Dissipation Factor: | 2.5% |
| Failure Rate: | N/A |
| Aging Rate: | 3% loss/decade hour |
| Insulation Resistance: | 5 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 |