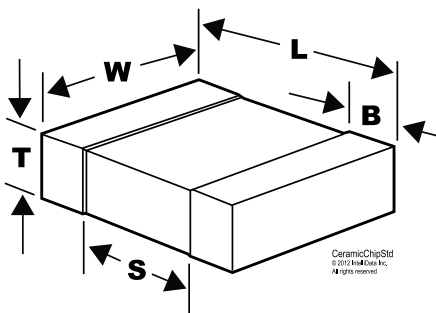


Ceramic, AUTO-(CxxxxC-AUTO), 0.047 uF, 10%, 50 V, 0603, X7R, SMD, MLCC, Temperature Stable, Automotive Grade



#### Dimensions

|   |                  |
|---|------------------|
| L | 1.6mm +/-0.15mm  |
| W | 0.8mm +/-0.15mm  |
| T | 0.8mm +/-0.07mm  |
| S | 0.7mm MIN        |
| B | 0.35mm +/-0.15mm |

#### Packaging Specifications

|                     |                        |
|---------------------|------------------------|
| Packaging:          | T&R, 180mm, Paper Tape |
| Packaging Quantity: | 4000                   |

#### General Information

|                |                                                                          |
|----------------|--------------------------------------------------------------------------|
| Style:         | SMD Chip                                                                 |
| Series:        | AUTO-(CxxxxC-AUTO)                                                       |
| Chip Size:     | 0603                                                                     |
| Description:   | SMD, MLCC, Temperature Stable, Automotive Grade                          |
| Features:      | Temperature Stable, Automotive Grade                                     |
| RoHS:          | Yes                                                                      |
| Termination:   | Tin                                                                      |
| Marking:       | No                                                                       |
| Failure Rate:  | N/A                                                                      |
| Approvals:     | AEC-Q200                                                                 |
| AEC-Q200:      | Yes                                                                      |
| Miscellaneous: | Note: Referee time for X7R dielectric for this part number is 1000 hours |

#### Specifications

|                                  |                     |
|----------------------------------|---------------------|
| Capacitance:                     | 0.047 uF            |
| Capacitance Tolerance:           | 10%                 |
| Voltage DC:                      | 50 VDC              |
| Dielectric Withstanding Voltage: | 125 V               |
| Temperature Range:               | -55/+125C           |
| Temperature Coefficient:         | X7R                 |
| Dissipation Factor:              | 2.5%                |
| Aging Rate:                      | 3% Loss/Decade Hour |
| Insulation Resistance:           | 10 GOhms            |