

SMD Comm X7R, Ceramic, 0.01 uF, 10%, 100 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 0805



### Dimensions

|           |                  |
|-----------|------------------|
| Chip Size | 0805             |
| L         | 2mm +/-0.2mm     |
| W         | 1.25mm +/-0.2mm  |
| T         | 0.78mm +/-0.10mm |
| S         | 0.75mm MIN       |
| B         | 0.5mm +/-0.25mm  |

### Packaging Specifications

|                     |                        |
|---------------------|------------------------|
| Packaging:          | T&R, 330mm, Paper Tape |
| Packaging Quantity: | 15000                  |

### General Information

|              |   |
|--------------|---|
| Series:      | SMD Comm X7R                            |
| Style:       | SMD Chip                                |
| Description: | SMD, MLCC, Temperature Stable, Class II |
| Features:    | Temperature Stable, Class II            |
| RoHS:        | Yes                                     |
| Termination: | Tin                                     |
| Marking:     | No                                      |
| AEC-Q200:    | No                                      |
| Shelf Life:  | 78 Weeks                                |
| MSL:         | 1                                       |

### Specifications

|   |   |
|---|---|
| Capacitance:  | 0.01 uF   |
| Measurement Condition:  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance:  | 10%   |
| Voltage DC:   | 100 VDC   |
| Dielectric Withstanding Voltage:                                    | 250 VDC   |
| Temperature Range:  | -55/+125°C                                      |
| Temperature Coefficient:  | X7R   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC): | 15%, 1kHz 1.0Vrms                               |
| Dissipation Factor:   | 2.5% 1 kHz 1.0Vrms                              |
| Aging Rate:   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance:  | 100 GOhms                                       |