

SMD Comm X7R Flex, Ceramic, 0.1 uF, 20%, 25 VDC, X7R, SMD, MLCC, FT-CAP, Temperature Stable, 0603



**Dimensions**

| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0603             |
| L          | 1.6mm +/-0.17mm  |
| W          | 0.8mm +/-0.15mm  |
| T          | 0.8mm +/-0.15mm  |
| S          | 0.58mm MIN       |
| B          | 0.45mm +/-0.15mm |

**Packaging Specifications**

|                     |           |
|---------------------|-----------|
| Packaging:          | Bulk, Bag |
| Packaging Quantity: | 1         |

**General Information**

|                   |                                       |
|-------------------|---------------------------------------|
| Series:           | SMD Comm X7R Flex                     |
| Style:            | SMD Chip                              |
| Description:      | SMD, MLCC, FT-CAP, Temperature Stable |
| Features:         | FT-CAP, Temperature Stable            |
| RoHS:             | Yes                                   |
| Termination:      | Flexible Termination                  |
| Marking:          | No                                    |
| AEC-Q200:         | No                                    |
| Component Weight: | 7300 ug                               |
| Shelf Life:       | 78 Weeks                              |
| MSL:              | 1                                     |

**Specifications**

|   |   |
|---|---|
| Capacitance:  | 0.1 uF  |
| Measurement Condition:  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance:  | 20%   |
| Voltage DC:   | 25 VDC  |
| Dielectric Withstanding Voltage:                                    | 62.5 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:   | 3.5% 1 kHz 1.0Vrms                              |
| Aging Rate:   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance:  | 5 GOhms   |

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