

SMD Auto X7R Flex, Ceramic, 470 pF, 10%, 25 VDC, X7R, SMD, MLCC, FT-CAP, Automotive Grade, 0603



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

### General Information

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

### Specifications

|   |   |
|---|---|
| Capacitance:  | 470 pF  |
| Measurement Condition:  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance:  | 10%   |
| 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:  | 100 GOhms                                       |