

SMD Auto X7R Flex, Ceramic, 22 uF, 10%, 25 VDC, X7R, SMD, MLCC, FT-CAP, Automotive Grade, 2220



**Dimensions**

| Chip Size |  | 2220            |
|-----------|--|-----------------|
| L         |  | 5.9mm +/-0.75mm |
| W         |  | 5mm +/-0.4mm    |
| T         |  | 2.4mm +/-0.15mm |
| B         |  | 0.7mm +/-0.35mm |

**Packaging Specifications**

|                     |                          |
|---------------------|--------------------------|
| Weight:             | 390 mg                   |
| Packaging:          | T&R, 180mm, Plastic Tape |
| Packaging Quantity: | 500                      |

**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                                 |
| Shelf Life:     | 78 Weeks                            |
| MSL:            | 1                                   |

**Specifications**

|   |   |
|---|---|
| Capacitance:  | 22 uF   |
| Measurement Condition:  | 120 Hz 0.5Vrms                                  |
| 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%, 120Hz 0.5Vrms                              |
| Dissipation Factor:   | 3.5% 120 Hz 0.5Vrms                             |
| Aging Rate:   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance:  | 22.7 MOhms                                      |

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