

SMD Auto X7R, Ceramic, 1500 pF, 10%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, Automotive Grade, 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, 180mm, Paper Tape |
| Packaging Quantity:      | 4000                   |

| General Information |                                                 |
|---------------------|-------------------------------------------------|
| Series:             | SMD Auto X7R                                    |
| Style:              | SMD Chip                                        |
| Description:        | SMD, MLCC, Temperature Stable, Automotive Grade |
| Features:           | Temperature Stable, Automotive Grade            |
| RoHS:               | Yes                                             |
| Termination:        | Tin                                             |
| Marking:            | No                                              |
| Qualifications:     | AEC-Q200                                        |
| AEC-Q200:           | Yes                                             |
| Shelf Life:         | 78 Weeks                                        |
| MSL:                | 1                                               |

| Specifications                                                      |                                                 |
|---------------------------------------------------------------------|-------------------------------------------------|
| Capacitance:                                                        | 1500 pF                                         |
| Measurement Condition:                                              | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance:                                              | 10%                                             |
| Voltage DC:                                                         | 50 VDC                                          |
| Dielectric Withstanding Voltage:                                    | 125 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                                       |

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