

SMD COTS X7R, Ceramic, 0.47 uF, 10%, 16 VDC, X7R, SMD, MLCC, COTS, Temperature Stable, Class II, 0603



| Dimensions |                  |
|------------|------------------|
| Chip Size  | 0603             |
| L          | 1.6mm +/-0.15mm  |
| W          | 0.8mm +/-0.15mm  |
| T          | 0.8mm +/-0.07mm  |
| S          | 0.7mm MIN        |
| B          | 0.35mm +/-0.15mm |

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

| General Information |   |
|---------------------|---|
| Series:             | SMD COTS X7R  |
| Style:              | SMD Chip  |
| Description:        | SMD, MLCC, COTS, Temperature Stable, Class II   |
| Features:           | Temperature Stable, Class II  |
| RoHS:               | No  |
| Prop 65:            | <b>WARNING:</b> Cancer and reproductive harm - <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a> . |
| SCIP Number:        | 2d771165-5336-48a3-96fa-3663929fd828  |
| Termination:        | Lead (SnPb)   |
| Marking:            | No  |
| Failure Rate:       | Testing per MIL-PRF-55681 PDA 8%, DPA per EIA-469   |
| AEC-Q200:           | No  |
| Component Weight:   | 4800 ug   |
| Shelf Life:         | 78 Weeks  |
| MSL:                | 1   |

| Specifications  |   |
|---|---|
| Capacitance:  | 0.47 uF   |
| Measurement Condition:  | 1 kHz 1.0Vrms                                   |
| Capacitance Tolerance:  | 10%   |
| Voltage DC:   | 16 VDC  |
| Dielectric Withstanding Voltage:                                    | 40 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:  | 1.0638 GOhms                                    |

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