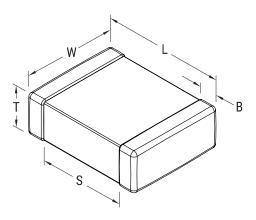
## **KEMET Part Number: C0805X474K5RECAUTO**



ESD SMD Auto X7R, Ceramic, 0.47 uF, 10%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, Electro Static Discharge, Automotive Grade, 0805



| Dimensions |                 |  |
|------------|-----------------|--|
| Chip Size  | 0805            |  |
| L          | 2mm +/-0.3mm    |  |
| W          | 1.25mm +/-0.3mm |  |
| Т          | 1mm +/-0.20mm   |  |
| S          | 0.75mm MIN      |  |
| В          | 0.5mm +/-0.25mm |  |

| Packaging Specifications |                          |  |
|--------------------------|--------------------------|--|
| Packaging:               | T&R, 180mm, Plastic Tape |  |
| Packaging Quantity:      | 2500                     |  |

| General Information |   |  |
|---------------------|---|--|
| Series:             | ESD SMD Auto X7R  |  |
| Style:              | SMD Chip  |  |
| Description:        | SMD, MLCC, Temperature<br>Stable, Electro Static Discharge,<br>Automotive Grade |  |
| Features:           | Temperature Stable, Automotive Grade  |  |
| RoHS:               | Yes   |  |
| Termination:        | Flexible Termination  |  |
| Marking:            | No  |  |
| Qualifications:     | AEC-Q200  |  |
| AEC-Q200:           | Yes   |  |
| Miscellaneous:      | Note: Referee time for X7R dielectric for this part number is 1000 hours.       |  |
| Shelf Life:         | 78 Weeks  |  |
| MSL:                | 1   |  |

| Specifications  |                     |  |
|---|---------------------|--|
| Capacitance:  | 0.47 uF             |  |
| Measurement Condition:  | 1 kHz 1.0Vrms       |  |
| Capacitance Tolerance:  | 10%                 |  |
| Voltage DC:   | 50 VDC              |  |
| ESD Level per AEC-Q200:   | 25,000 V ESD Level  |  |
| Dielectric Withstanding<br>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% 1kHz 1.0Vrms   |  |
| Aging Rate:   | 3% Loss/Decade Hour |  |
| Insulation Resistance:  | 1.064 GOhms         |  |

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