KEMET Part Number: C1812X473KDRACAUTO



SMD Auto X7R HV Flex, Ceramic, 0.047 uF, 10%, 1000 VDC, X7R, SMD, MLCC, FT-CAP, Automotive Grade, 1812



| Dimensions | |
|------------|-----------------|
| L | 4.5mm +/-0.4mm |
| W | 3.2mm +/-0.3mm |
| Т | 1.1mm +/-0.10mm |
| В | 0.7mm +/-0.35mm |

| Packaging Specifications | | |
|--------------------------|--------------------------|--|
| Packaging: | T&R, 180mm, Plastic Tape | |
| Packaging Quantity: | 1000 | |

| General Information | | |
|---------------------|--|--|
| Supplier: | KEMET | |
| Series: | SMD Auto X7R HV 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 | |
| Miscellaneous: | Note: Referee time for X7R dielectric for this part number is 1000 hours | |
| Chip Size: | 1812 | |

| Specifications | | |
|-------------------------------------|---------------------|--|
| Capacitance: | 0.047 uF | |
| Capacitance Tolerance: | 10% | |
| Voltage DC: | 1000 VDC | |
| Dielectric Withstanding Voltage: | 1,200 V | |
| Temperature Range: | -55/+125C | |
| Temperature Coefficient: | X7R | |
| Dissipation Factor: | 2.50% 1kHz 25C | |
| Aging Rate: | 3% Loss/Decade Hour | |
| Insulation Resistance: | 2.128 GOhms | |

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