

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 |
| T | 1.1mm +/-0.10mm |
| B | 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 |