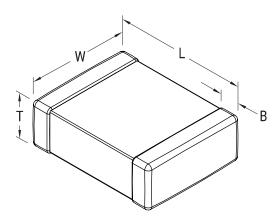
KEMET Part Number: C1812J105K1RACAUTO



SMD Auto X7R FO, Ceramic, Open Mode, 1 uF, 10%, 100 VDC, X7R, SMD, MLCC, Open Mode, Automotive Grade, 1812



| Dimensions | | |
|------------|-----------------|--|
| L | 4.5mm +/-0.4mm | |
| W | 3.2mm +/-0.3mm | |
| Т | 2mm +/-0.20mm | |
| В | 0.7mm +/-0.35mm | |

| Packaging Specifications | | |
|--------------------------|--------------------------|--|
| Packaging: | T&R, 180mm, Plastic Tape | |
| Packaging Quantity: | 500 | |

| General Information | | |
|---------------------|--|--|
| Supplier: | KEMET | |
| Series: | SMD Auto X7R FO | |
| Style: | SMD Chip | |
| Description: | SMD, MLCC, Open Mode, Automotive Grade | |
| Features: | Open Mode, 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 | |
| Shelf Life: | 78 Weeks | |
| MSL: | 1 | |

| Specifications | |
|-------------------------------------|---------------------|
| Capacitance: | 1 uF |
| Capacitance Tolerance: | 10% |
| Voltage DC: | 100 VDC |
| Dielectric Withstanding Voltage: | 250 V |
| Temperature Range: | -55/+125C |
| Temperature Coefficient: | X7R |
| Dissipation Factor: | 2.50% 1kHz 25C |
| Aging Rate: | 3% Loss/Decade Hour |
| Insulation Resistance: | 1 GOhms |

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