


 Click [here](#) for the 3D model.

General Information

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|--------------------------|---|
| Series | SMD Auto X7R HV FF |
| Style | SMD Chip |
| Description | SMD, MLCC, FF-CAP, Floating Electrode, High Voltage, Automotive Grade |
| Features | FF-CAP, Floating Electrode, High Voltage, Automotive Grade |
| RoHS | Yes |
| Termination | Flexible Termination |
| Marking | No |
| Qualifications | AEC-Q200 |
| Typical Component Weight | 185 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Dimensions

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|----------------------|-----------------|
| L | 4.5mm +/-0.4mm |
| W | 3.2mm +/-0.3mm |
| T | 2.5mm +/-0.20mm |
| S | 2.3mm MIN |
| B | 0.7mm +/-0.35mm |
| Case Code (EIA / mm) | 1812 / 4532 |

Specifications

| | |
|--|---|
| Capacitance | 0.033 uF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Tolerance | 10% |
| Voltage DC | 1000 VDC |
| Dielectric Withstanding Voltage | 1,200 VDC |
| Temperature Range | -55/+125°C |
| Temp. Coefficient | X7R |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1 kHz 1.0Vrms |
| Dissipation Factor | 2.5% 1 kHz 1.0Vrms |
| Aging Rate | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 3.0303 GOhms |

Packaging Specifications

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

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