

C0805C333K5RECAUTO

ESD SMD Auto X7R, Ceramic, 0.033 uF, 10%, 50 VDC, X7R, SMD, MLCC, Temperature Stable, Electro Static Discharge, Automotive Grade, 0805



Click here for the 3D model.

| Chip Size 0805 L 2mm +/-0.2mm W 1.25mm +/-0.2mm T 1mm +/-0.10mm S 0.75mm MIN | Dimensions | |
|--|------------|-----------------|
| W 1.25mm +/-0.2mm T 1mm +/-0.10mm | Chip Size | 0805 |
| T 1mm +/-0.10mm | L | 2mm +/-0.2mm |
| - | W | 1.25mm +/-0.2mm |
| S 0.75mm MIN | Т | 1mm +/-0.10mm |
| | S | 0.75mm MIN |
| B 0.5mm +/-0.25mm | В | 0.5mm +/-0.25mm |

Packaging Specifications

Packaging Packaging Quantity

T&R, 180mm, Plastic Tape 2500

| General Information | |
|---------------------|--|
| Series | ESD SMD Auto X7R |
| Style | SMD Chip |
| Description | SMD, MLCC, Temperature Stable, Electro Static Discharge, Automotive Grade |
| Features | Temperature Stable, Automotive Grade |
| RoHS | Yes |
| Termination | Tin |
| Marking | No |
| Qualifications | AEC-Q200 |
| AEC-Q200 | Yes |
| Component Weight | 16 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Specifications | |
|---|--|
| Capacitance | 0.033 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 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%1kHz1.0Vrms |
| Aging Rate | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 30.303 GOhms |

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