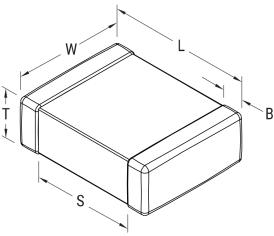


C0805J682K5RACAUTO

SMD Auto X7R FO, Ceramic, 6800 pF, 10%, 50 VDC, X7R, SMD, MLCC, Open Mode, Automotive Grade, 0805



Click here for the 3D model.

| Dimensions | |
|------------|-----------------|
| Chip Size | 0805 |
| L | 2mm +/-0.3mm |
| W | 1.25mm +/-0.3mm |
| Т | 0.9mm +/-0.10mm |
| S | 0.75mm MIN |
| В | 0.5mm +/-0.25mm |

| Packaging Specifications | | |
|--------------------------|--------------------------|--|
| Packaging | T&R, 180mm, Plastic Tape | |
| Packaging Quantity | 4000 | |

| General Information | |
|---------------------|--|
| 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 |
| Component Weight | 13 mg |
| Shelf Life | 78 Weeks |
| MSL | 1 |

| Specifications | |
|--|--|
| Capacitance | 6800 pF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Capacitance Tolerance | 10% |
| Voltage DC | 50 VDC |
| 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% 1 kHz 1.0Vrms |
| Aging Rate | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 100 GOhms |

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