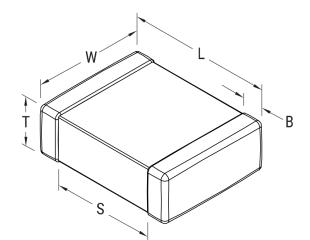


C0805C104M5RECAUTO

ESD SMD Auto X7R, Ceramic, 0.1 uF, 20%, 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<br>Discharge, Automotive Grade |
| Features            | Temperature Stable, Automotive Grade   |
| RoHS                | Yes  |
| Termination         | Tin  |
| Marking             | No   |
| Qualifications      | AEC-Q200   |
| AEC-Q200            | Yes  |
| Component<br>Weight | 16 mg  |
| Shelf Life          | 78 Weeks   |
| MSL                 | 1  |

| Specifications  |  |
|---|--|
| Capacitance   | 0.1 uF   |
| Measurement Condition   | 1 kHz 1.0Vrms                                      |
| Capacitance Tolerance   | 20%  |
| 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<br>to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 1.0Vrms                                  |
| Dissipation Factor  | 2.5%1kHz1.0Vrms                                    |
| Aging Rate  | 3% Loss/Decade Hour:<br>Referee Time is 1000 Hours |
| Insulation Resistance   | 10 GOhms   |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.