KEMET Part Number: C0805X104J5RACAUTO

SMD Auto X7R Flex, Ceramic, 0.1 uF, 5%, 50 VDC, X7R, SMD, MLCC, FT-CAP, Automotive Grade, 0805

Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>2mm +/-0.3mm</td>
</tr>
<tr>
<td>W</td>
<td>1.25mm +/-0.3mm</td>
</tr>
<tr>
<td>T</td>
<td>0.78mm +/-0.20mm</td>
</tr>
<tr>
<td>S</td>
<td>0.75mm MIN</td>
</tr>
<tr>
<td>B</td>
<td>0.5mm +/-0.25mm</td>
</tr>
</tbody>
</table>

Packaging Specifications

<table>
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<tr>
<th>Packaging</th>
<th>4000</th>
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Packaging: T&R, 180mm, Plastic Tape

General Information

- **Supplier:** KEMET
- **Series:** SMD Auto X7R Flex
- **Style:** SMD Chip
- **Description:** SMD, MLCC, FT-CAP, Automotive Grade
- **Features:** FT-CAP, 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:** 0805
- **Shelf Life:** 78 Weeks
- **MSL:** 1

Specifications

- **Capacitance:** 0.1 uF
- **Capacitance Tolerance:** 5%
- **Voltage DC:** 50 VDC
- **Dielectric Withstanding Voltage:** 125 V
- **Temperature Range:** -55/+125C
- **Temperature Coefficient:** X7R
- **Dissipation Factor:** 2.50% 1kHz 25C
- **Aging Rate:** 3% Loss/Decade Hour
- **Insulation Resistance:** 10 GOhms

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