KEMET Part Number: C0805T104J5RACTU  
(C0805T104J5RAC7800)

SMD COTS X7R, Ceramic, COTS, 0.1 uF, 5%, 50 VDC, X7R, SMD, MLCC, COTS, Temperature Stable, Class II, 0805

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**General Information**

- **Supplier:** KEMET
- **Series:** SMD COTS X7R
- **Style:** SMD Chip
- **Description:** SMD, MLCC, COTS, Temperature Stable, Class II
- **Features:** Temperature Stable, Class II
- **RoHS:** Yes
- **Termination:** Tin
- **Marking:** No
- **Miscellaneous:** Note: Referee time for X7R dielectric for this part number is 1000 hours
- **Chip Size:** 0805

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**Dimensions**

<table>
<thead>
<tr>
<th>L</th>
<th>2mm +/-0.2mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>1.25mm +/-0.2mm</td>
</tr>
<tr>
<td>T</td>
<td>0.78mm +/-0.10mm</td>
</tr>
<tr>
<td>S</td>
<td>0.75mm MIN</td>
</tr>
<tr>
<td>B</td>
<td>0.5mm +/-0.25mm</td>
</tr>
</tbody>
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**Specifications**

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

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