KEMET Part Number: C1206C104K2RACTU
(C1206C104K2RAC7800)

SMD Comm X7R, Ceramic, 0.1 uF, 10%, 200 VDC, X7R, SMD, MLCC, Temperature Stable, Class II, 1206

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**Dimensions**

<table>
<thead>
<tr>
<th>Chip Size</th>
<th>1206</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>3.2mm +/-0.2mm</td>
</tr>
<tr>
<td>W</td>
<td>1.6mm +/-0.2mm</td>
</tr>
<tr>
<td>T</td>
<td>1.25mm +/-0.15mm</td>
</tr>
<tr>
<td>B</td>
<td>0.5mm +/-0.25mm</td>
</tr>
</tbody>
</table>

**Packaging Specifications**

<table>
<thead>
<tr>
<th>Packaging</th>
<th>T&amp;R, 180mm, Plastic Tape</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging Quantity</td>
<td>2500</td>
</tr>
</tbody>
</table>

**General Information**

- **Series:** SMD Comm X7R
- **Style:** SMD Chip
- **Description:** SMD, MLCC, Temperature Stable, Class II
- **Features:** Temperature Stable, Class II
- **RoHS:** Yes
- **Termination:** Tin
- **Marking:** No
- **AEC-Q200:** No
- **Shelf Life:** 78 Weeks
- **MSL:** 1

**Specifications**

- **Capacitance:** 0.1 uF
- **Measurement Condition:** 1 kHz 1.0Vrms
- **Capacitance Tolerance:** 10%
- **Voltage DC:** 200 VDC
- **Dielectric Withstanding Voltage:** 500 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% 1kHz 1.0Vrms
- **Aging Rate:** 3% Loss/Decade Hour; Referee Time is 1000 Hours
- **Insulation Resistance:** 10 GOhms

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