KEMET Part Number: T598D477M2R5ATE009

T598, Tantalum, Polymer Tantalum, 470 uF, 20%, 2.5 VDC, SMD, Polymer, Molded, Low ESR, AEC-Q200, 9 mOhms, 7343, Height Max = 3.1mm

**General Information**
- **Series:** T598
- **Dielectric:** Polymer Tantalum
- **Style:** SMD Chip
- **Description:** SMD, Polymer, Molded, Low ESR, AEC-Q200
- **Features:** Automotive
- **RoHS:** Yes
- **Termination:** Tin
- **Qualifications:** AEC-Q200: Yes
- **Shelf Life:** 52 Weeks
- **MSL:** 3

**Dimensions**

<table>
<thead>
<tr>
<th>Footprint</th>
<th>7343</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>7.3mm +/-0.3mm</td>
</tr>
<tr>
<td>W</td>
<td>4.3mm +/-0.3mm</td>
</tr>
<tr>
<td>H</td>
<td>2.8mm +/-0.3mm</td>
</tr>
<tr>
<td>T</td>
<td>0.13mm REF</td>
</tr>
<tr>
<td>S</td>
<td>1.3mm +/-0.3mm</td>
</tr>
<tr>
<td>F</td>
<td>2.4mm +/-0.1mm</td>
</tr>
<tr>
<td>A</td>
<td>3.8mm MIN</td>
</tr>
<tr>
<td>B</td>
<td>0.5mm +/-0.15mm</td>
</tr>
<tr>
<td>P</td>
<td>0.9mm REF</td>
</tr>
<tr>
<td>R</td>
<td>1mm REF</td>
</tr>
<tr>
<td>X</td>
<td>0.1mm +/-0.1mm</td>
</tr>
</tbody>
</table>

**Packaging Specifications**
- **Weight:** 434.83 mg
- **Packaging:** T&R, 178mm
- **Packaging Quantity:** 500

**Specifications**
- **Capacitance:** 470 uF
- **Capacitance Tolerance:** 20%
- **Voltage DC:** 2.5 VDC (105°C), 1.67 VDC (125°C)
- **Temperature Range:** -55/+125°C
- **Rated Temperature:** 105°C
- **Humidity:** 85%, 85% RH, load, 1000 Hours
- **Dissipation Factor:** 10% 120Hz 25°C
- **Failure Rate:** N/A
- **Resistance:** 9 mOhms (100kHz 25°C)
- **Ripple Current:** 5000 mA (rms, 100kHz 45°C), 4500 mA (rms, 85°C), 1250 mA (rms, 125°C)
- **Leakage Current:** 117.5 uA (5min 25°C)

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