MULTILAYER CERAMIC BAND PASS FILTER

RCF-5500.000-700000-1005-W-001

Parameters | Value | Unit
--- | --- | ---
Frequency Range | 5150.000 ~ 5850.000 | MHz
Insertion Loss, max | @ 25 °C | 1.10 | dB
 | @ -40 ~ +85 °C | 1.30 | dB
Attenuation, min | @ 4000 MHz | 9.5 | dB
 | @ 7500 MHz | 4.5 | dB
VSWR, max | 2.01 | -
Impedance | 50 | Ω
Power Capacity, max | 2 | W
Moisture Sensitivity Levels | Level 1 | -
Operating Temperature Range | -40 ~ +85 | °C
Storage Temperature Range | -40 ~ +85 | °C
Storage Condition Before Soldering (Included Packaging Material) | Storage Temperature Range | +5 ~ +40 | °C
 | Relative Humidity | 30 ~ 70 | %

Taping Quantity: 2000 pcs (Per 7” Reel)

Dimension

<table>
<thead>
<tr>
<th>Dimension (mm)</th>
<th>L</th>
<th>W</th>
<th>T</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>1.00 ± 0.10</td>
<td>0.50 ± 0.10</td>
<td>0.40 ± 0.10</td>
<td>0.35 ± 0.10</td>
<td>0.30 ± 0.10</td>
<td>0.15 ± 0.10</td>
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Pin Connections

<table>
<thead>
<tr>
<th>PIN</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Input Port</td>
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<tr>
<td>2</td>
<td>GND</td>
</tr>
<tr>
<td>3</td>
<td>Output Port</td>
</tr>
<tr>
<td>4</td>
<td>GND</td>
</tr>
</tbody>
</table>

SOLDER LAND PATTERN

Unit: mm

Line width to be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness.