Ceramic Low Pass Filter

50Ω DC to 530 MHz

Features
- excellent power handling, 8.5W
- small size
- 7 sections
- temperature stable
- LTCC construction
- protected by U.S. Patent 6,943,646

Applications
- harmonic rejection
- VHF/UHF transmitters/receivers

Electrical Specifications at 25°C

<table>
<thead>
<tr>
<th>Parameter</th>
<th>F#</th>
<th>Frequency (MHz)</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pass Band</td>
<td>DC-F1</td>
<td>DC-530</td>
<td>—</td>
<td>—</td>
<td>1.0</td>
<td>dB</td>
</tr>
<tr>
<td>Freq. Cut-Off</td>
<td>F2</td>
<td>700</td>
<td>—</td>
<td>3.0</td>
<td>—</td>
<td>dB</td>
</tr>
<tr>
<td>VSWR</td>
<td>DC-F1</td>
<td>DC-530</td>
<td>—</td>
<td>1.2</td>
<td>—</td>
<td>:1</td>
</tr>
<tr>
<td>Stop Band</td>
<td>F3</td>
<td>870</td>
<td>20</td>
<td>—</td>
<td>—</td>
<td>dB</td>
</tr>
<tr>
<td>Rejection Loss</td>
<td>F4-F5</td>
<td>945-3000</td>
<td>—</td>
<td>40</td>
<td>—</td>
<td>dB</td>
</tr>
<tr>
<td></td>
<td>F6</td>
<td>6000</td>
<td>20</td>
<td>20</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td></td>
<td>F3-F6</td>
<td>870-6000</td>
<td>20</td>
<td>20</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

(1) DC Resistance to ground is 100 Mohms min.
(2) Measured on Mini-Circuits Characterization Test Board TB-270.

Notes:
A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuits’ applicable established test performance criteria and measurement instructions.
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Available Tape and Reel at no extra cost
Reel Size Devices/Reel
7" 20, 50, 100, 200, 500, 1000, 3000

+RoHS Compliant
The + Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.