High Performance Low Pass Filter
LP1206A0600ANTR

ITF TECHNOLOGY
The ITF LGA Filter is based on thin-film multilayer technology. The technology provides a miniature part with excellent high frequency performance and rugged construction for reliable automatic assembly.

The ITF Filter is offered in a variety of frequency bands compatible with various types of high frequency wireless systems.

FEATURES:
- Small size: 1206
- Frequency: 600MHz
- Characteristic impedance: 500
- Operating / Storage temp: -40°C ÷ +85°C
- Low profile
- Rugged construction
- Taped and reeled
- RoHS compliant

APPLICATIONS:
- Mobile communications
- Satellite TV receivers
- GPS
- Vehicle location systems
- Wireless LAN’s

FINAL QUALITY INSPECTION:
Finished parts are 100% tested for electrical parameters and visual/mechanical characteristics. Each production lot is evaluated on a sample basis for:
- Static Humidity: 85°C, 85% RH, 160 hours
- Endurance : 125°C, Ir, 4 hours

TERMINATION:
Nickel/Lead free Solder coating (Sn100) compatible with automatic soldering technologies: reflow, wave soldering, vapor phase and manual.

PART NUMBER CODE:
LP 1206 A XXXX ANTR
Frequency (MHz)

POWER RATING:
12W continuous
High Performance Low Pass Filter
LP1206A0600ANTR

ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Unit</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fc</td>
<td>600</td>
<td>MHz</td>
<td></td>
</tr>
<tr>
<td>Rejection</td>
<td>-40</td>
<td>dB</td>
<td>Min. @900MHz</td>
</tr>
<tr>
<td>Rejection</td>
<td>-40</td>
<td>dB</td>
<td>Typ. 900MHz to 3.1GHz</td>
</tr>
<tr>
<td>I.Loss @ 600MHz</td>
<td>-0.8</td>
<td>dB</td>
<td>Max.</td>
</tr>
<tr>
<td>R.Loss @ 600MHz</td>
<td>-20</td>
<td>dB</td>
<td>Typ.</td>
</tr>
<tr>
<td>Power Handling</td>
<td>12</td>
<td>W</td>
<td>RF cont.</td>
</tr>
<tr>
<td>Impedance</td>
<td>50</td>
<td>Ohm</td>
<td></td>
</tr>
<tr>
<td>Operating Temp.</td>
<td>-40 to +85</td>
<td>degC</td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td>1206</td>
<td></td>
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</tbody>
</table>

TYPICAL ELECTRICAL PERFORMANCE

[Graph showing typical electrical performance with S21 and S11 labeled]