High Performance Low Pass Filter
LP1206A6000ANTR

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: 6000MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C ÷ +100°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

DIMENSIONS - mm (inches)
(Top View)

TERMINALS AND LAYOUT (Top View)

RECOMMENDED PAD LAYOUT (mm)
### High Performance Low Pass Filter

**LP1206A6000ANTR**

#### 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>6000</td>
<td>MHz</td>
<td></td>
</tr>
<tr>
<td>Rejection</td>
<td>-35</td>
<td>dB</td>
<td>Min. 8.4-18GHz</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>-0.6</td>
<td>dB</td>
<td>Max. (6GHz)</td>
</tr>
<tr>
<td>R.Loss 0-6GHz</td>
<td>-20</td>
<td>dB</td>
<td></td>
</tr>
<tr>
<td>Power Handling</td>
<td>12</td>
<td>W</td>
<td>RF Continuous</td>
</tr>
<tr>
<td>Impedance</td>
<td>50</td>
<td>Ohm</td>
<td></td>
</tr>
<tr>
<td>Operating Temp.</td>
<td>-40 to +100</td>
<td>degC</td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td>1206</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

![Graph](image-url)