ITF TECHNOLOGY
The ITF SMD 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: 2000MHz
- Sharp attenuation slope
- Characteristic impedance: 50Ohm
- Operating / Storage temp: -40°C ÷ +85°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

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 ASTR
Frequency (MHz)

DIMENSIONS - mm (inches)
(Top View)

TERMINALS (Top View)

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

**LP1206A2000ASTR**

### ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>P/N</th>
<th>I.Loss @ 2000MHz</th>
<th>R.Loss @ 2000MHz</th>
<th>ATTENUATION [min.]</th>
</tr>
</thead>
<tbody>
<tr>
<td>LP1206A2000ASTR</td>
<td>0.7dB max.</td>
<td>-15dB</td>
<td>-27dB at 3000-4000MHz</td>
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<td>-25dB at 4000-6000MHz</td>
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<td>-20dB at 6000-8000MHz</td>
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</tbody>
</table>

![Graph showing Electrical Characteristics](image-url)