High Performance Low Pass Filter
LP1206A1000ASTR

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: 1000MHz
• 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)

| L | 3.08±0.1 (0.121±0.004) |
| W | 1.60±0.1 (0.063±0.004) |
| T | 0.87±0.1 (0.034±0.004) |
| A | 0.61±0.25 (0.028±0.010) |
| B | 0.35±0.15 (0.014±0.006) |

TERMINALS (Top View)

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

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### ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>P/N</th>
<th>I.Loss @ 1000MHz</th>
<th>R.Loss @ 1000MHz</th>
<th>ATTENUATION [min.]</th>
</tr>
</thead>
<tbody>
<tr>
<td>LP1206A1000ASTR</td>
<td>0.7dB max.</td>
<td>-15dB</td>
<td>-30dB at 1500-2000MHz</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>-25dB at 2000-3000MHz</td>
</tr>
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</tbody>
</table>

[Graph showing frequency response]

The Important Information/Disclaimer is incorporated in these specifications by reference and should be reviewed in full before placing any order.