LP0805 Harmonic Low Pass Filter
LP0805H0750ASTR

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: 0805
• Characteristic impedance: 50Ω
• Frequency band: Band 13 746-756MHz
• 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

HOW TO ORDER
LP0805H0750ASTR

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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, 1 hour, 4 hours

TERMINALS AND LAYOUT (Top View)

DIMENSIONS (Top View)

TERMINALS AND LAYOUT (Top View)
## ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Frequency (MHz)</th>
<th>I Loss max.</th>
<th>VSWR max.</th>
<th>Attenuation (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LP0805H0750ASTR</td>
<td>Band 13 DL (746-756MHz)</td>
<td>-0.4dB</td>
<td>1.7</td>
<td>2d Harmonic 1492-1512MHz: -37dB</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3d Harmonic 2238-2268MHz: -33dB</td>
</tr>
</tbody>
</table>

## TYPICAL ELECTRICAL PERFORMANCE