ATC 0805 BPF Series
LGA Thin Film
Bandpass Filters

Features
- Low Profile LGA / SMT EIA Package
- Frequency Range: 1220 to 4520 MHz
- Characteristic Impedance: 50Ω
- Low Passband Insertion Loss
- Operating Temperature: -40˚C to +85˚C
- Pb Free / RoHS Compliant

ATC’s 0805 BPF Series Thin Film SMT Bandpass Filters offer superb performance in a low profile, LGA style 0805 EIA package. The BPF Series is offered in a variety of selected passband frequencies making them well suited for most wireless frequency applications. Their superb performance provides an excellent solution for the most critical filter applications. The BPF Series exhibits excellent passband insertion loss, stop-band rejection, flatness and matching characteristics. This filter Series is fully tested to meet or exceed electrical, environmental and mechanical specifications. They are supplied in tape and reel, making them fully compatible with high speed automated pick-and-place manufacturing.

Applications:
- Wireless communications
- WLAN’s (802.11)
- 4G LTE and 5G-NR
- Industrial, Scientific and Medical (ISM)
- Global Navigation Satellite Systems (GNSS)

BPF Filter Configurations:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Passband (MHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BPF08051308LTT</td>
<td>1220 to 1420</td>
</tr>
<tr>
<td>BPF08051457LTT</td>
<td>1447 to 1467</td>
</tr>
<tr>
<td>BPF08051795LTT</td>
<td>1785 to 1805</td>
</tr>
<tr>
<td>BPF08052160LTT</td>
<td>1960 to 2360</td>
</tr>
<tr>
<td>BPF08054320LTT</td>
<td>4120 to 4520</td>
</tr>
</tbody>
</table>
ATC 0805 BPF SERIES THIN FILM BANDPASS FILTER

For additional information and catalogs contact your ATC representative or call direct at +1-631-622-4700.
Consult factory for additional performance data.

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ATC Part Number Code

The above part number refers to a Bandpass Filter, (EIA case size 0805), Passband 1785 to 1805 MHz, Land Grid Array (LGA) Style, Tin Termination

Dimensions

<table>
<thead>
<tr>
<th>Size (EIA)</th>
<th>Length (L)</th>
<th>Width (W)</th>
<th>Thickness (T)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0805</td>
<td>0.080 ±0.004 (2.03 ±0.1)</td>
<td>0.061 ±0.004 (1.55 ±0.1)</td>
<td>0.032 ±0.004 (0.80 ±0.1)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.022 ±0.010 (0.56 ±0.25)</td>
<td>0.014 ±0.006 (0.35 ±0.15)</td>
</tr>
</tbody>
</table>

Mechanical Configurations

Top View

Recommended Pad Layout

ATC Part Number Code

BPF 0805 1795 L T T

Packaging
T = Tape and Reel, std.

Termination
T = Tin Termination

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