Surface Mount Tip and Ring Filters

These surface mount tip and ring filters provide substantial reduction of noise throughout an extended frequency range. Their economical design makes them attractive for a wide variety of applications.

Free evaluation samples are available by contacting Coilcraft or ordering them on-line at www.coilcraft.com.

Core material  Ferrite
Terminations  RoHS tin-silver-copper over tin over nickel over phos bronze
Weight  214 – 216 mg
Ambient temperature  -40°C to +85°C
Storage temperature  Component: -40°C to +85°C.
Tape and reel packaging: -40°C to +80°C
Resistance to soldering heat  Max three 40 second refows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging  500/7” reel; 2000/13” reel  Plastic tape: 16 mm wide, 0.35 mm thick, 8 mm pocket spacing, 4.4 mm pocket depth
PCB washing  Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

<table>
<thead>
<tr>
<th>Part</th>
<th>Common mode peak impedance (kOhms)</th>
<th>Cutoff frequency (MHz)</th>
<th>Inductance min (µH)</th>
<th>DCR max (mOhms)</th>
<th>Isolation (Vrms)</th>
<th>Current (mAdc)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTRF2000L_</td>
<td>0.814 @ 11 MHz</td>
<td>38</td>
<td>35</td>
<td>0.075</td>
<td>1500</td>
<td>500</td>
</tr>
<tr>
<td>PTRF4000L_</td>
<td>0.851 @ 12 MHz</td>
<td>41</td>
<td>35</td>
<td>0.135</td>
<td>1500</td>
<td>500</td>
</tr>
</tbody>
</table>

1. When ordering, please specify packaging code:

   - **C** = 7” machine ready reel. EIA-481 embossed plastic tape, 500 parts per full reel.
   - **B** = Less than full reel. In tape, but not machine ready. To have a leader and trailer added ($25 charge), use code letter C instead.
   - **D** = 13” machine ready reel. EIA-481 embossed plastic tape. Factory order only, not stocked, 2000 parts per full reel.

   *Dimensions are typical prior to applying solder

   Recommended Land Pattern

   Dimensions are in inches

   - 0.050
   - 0.030
   - 0.060

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