Coilcraft surface mount filters are designed to virtually eliminate the problem of conducted EMI in data line applications. They provide exceptional common mode noise attenuation from 15 MHz to 300 MHz while passing signal line data below 300 MHz with minimal attenuation. These low resistance filters have been designed for excellent electrical isolation (300 Vrms), environmental stability and low cost.

### Table of Specifications

<table>
<thead>
<tr>
<th>Part number*</th>
<th>Lines</th>
<th>Current max (mA)*</th>
<th>Inductance min (µH)*</th>
<th>DCR max (mOhms)</th>
<th>Weight (mg)</th>
<th>Color Dot</th>
</tr>
</thead>
<tbody>
<tr>
<td>TTDLF 2000L_</td>
<td>2</td>
<td>100</td>
<td>5</td>
<td>250</td>
<td>258</td>
<td>Red</td>
</tr>
<tr>
<td>TTDLF 2500L_</td>
<td>2</td>
<td>500</td>
<td>5</td>
<td>200</td>
<td>265</td>
<td>Green</td>
</tr>
<tr>
<td>TTDLF 3000L_</td>
<td>3</td>
<td>100</td>
<td>5</td>
<td>250</td>
<td>263</td>
<td>Orange</td>
</tr>
<tr>
<td>TTDLF 3500L_</td>
<td>3</td>
<td>500</td>
<td>5</td>
<td>200</td>
<td>270</td>
<td>Violet</td>
</tr>
<tr>
<td>TTDLF 4000L_</td>
<td>4</td>
<td>100</td>
<td>5</td>
<td>250</td>
<td>268</td>
<td>Yellow</td>
</tr>
<tr>
<td>TTDLF 4500L_</td>
<td>4</td>
<td>500</td>
<td>5</td>
<td>200</td>
<td>270</td>
<td>Blue</td>
</tr>
</tbody>
</table>

1. When ordering, please specify termination and packaging codes: TTDLF 2500L-D
   - **Termination:** L = RoHS compliant tin-silver-copper over silver-platinum-glass frit.
   - Special order: S = non-RoHS tin-lead (63/37).
   - **Packaging:** 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 D instead.
   - D = 13″ machine ready reel. EIA-481 embossed plastic tape (2200 parts per full reel).

2. Current rating is for each line.
3. Inductance is per winding, tested at 1 MHz.
4. Operating temperature range -40°C to +85°C.
5. Electrical specifications at 25°C.

As of August 2015, the TTDLF 10000 is no longer available; please consider our CCDLF 10000.

For the TTDLF 2x000, TTDLF 3x000 and TTDLF 4x000, we now offer an even more economical version of this series: PDLF. The PDLF series is electrically identical and fits the same land pattern.

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### Typical Response*

*Measured on HP 8753D network analyzer.

[Graph showing attenuations in dB over frequency for common mode and differential mode]
Surface Mount Data Line EMI Filters

TTDLF 4x00, 3x00, 2x00

Dimensions are in inches

Packaging  500/7" reel; 2200/13" reel; Plastic tape: 16 mm wide, 0.3mm thick, 8 mm pocket spacing, 3.8 mm pocket depth

RoHS Compliant

TTDLF 4000, 4500

Recommended Land Pattern

TTDLF 2000, 2500

TTDLF 3000, 3500