These transformers provide coupling and line isolation for ADSL interfaces using the Virata Beryllium chip set.

They feature very low leakage inductance, stable primary inductance from -40°C to +85°C and longitudinal balance optimized for the best overall performance at ADSL transmission speeds.

In addition to the standard model shown, Coilcraft can provide custom transformers with other turns ratios.

For free evaluation samples or to discuss custom designs, contact Coilcraft or visit www.coilcraft.com.

### Line side Leakage

<table>
<thead>
<tr>
<th>Part number</th>
<th>Style</th>
<th>Chip set</th>
<th>Leakage inductance (mH)</th>
<th>DC Resistance max (µH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>X8388-C</td>
<td>SMT</td>
<td>Virata Beryllium</td>
<td>600 ±5%</td>
<td>1.27 (7-6), 1.19 (9-8)</td>
</tr>
</tbody>
</table>

### Dielectric strength

<table>
<thead>
<tr>
<th>Part number</th>
<th>Dielectric strength (V)</th>
<th>Turns ratio line:chip</th>
<th>Longitudinal balance (dB)</th>
<th>Designed to meet</th>
</tr>
</thead>
<tbody>
<tr>
<td>X8388-C</td>
<td>2300</td>
<td>1:1.21</td>
<td>45 (20 kHz – 600 kHz)</td>
<td>UL 1950</td>
</tr>
</tbody>
</table>

1. All electrical specifications referenced to line side.
2. Operating temperature range -40°C to +85°C.
3. Electrical specifications at 25°C.

### Tape and reel:

- 175/13" reel
- 32 mm tape width

For packaging data see Tape and Reel Specifications section.

### Recommended Land Pattern

- Dot above pin1
- A max 0.530 0.699 0.500 0.590 0.098 0.061 x 0.050
- B max 13,46 17,75 12,70 14,99 2,50 1,55 x 1,27

For more information, please visit www.coilcraft.com.