Ultra-Small CO Driver Transformers

To meet the demand for even higher density DSLAM configurations, Coilcraft has introduced these ultra-small Central Office magnetics.

These line driver transformers come in an EP7 package. Compared to conventional EP13 designs, they feature:

- 58% less volume (under 0.078 in³)
- 42% smaller footprint (just 0.22 in²)
- 30% lower height (less than 0.36 in)

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<table>
<thead>
<tr>
<th>Part number</th>
<th>Style</th>
<th>Line side inductance (µH)</th>
<th>Leakage inductance max (µH)</th>
<th>DCR max (Ohms)</th>
<th>Dielectric strength (V)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Chip side</td>
<td>Line side</td>
</tr>
<tr>
<td>AS8886-B</td>
<td>SMD</td>
<td>1000 ±6%</td>
<td>6.0</td>
<td>0.44 (8-6)</td>
<td>0.87 (1-3, 2-4)</td>
</tr>
<tr>
<td>AS9006-A</td>
<td>SMD</td>
<td>400 ±5%</td>
<td>5.0</td>
<td>0.23 (8-6)</td>
<td>0.80 (1-3, 2-4)</td>
</tr>
<tr>
<td>AS9015-A</td>
<td>SMD</td>
<td>74 ±10%</td>
<td>6.0</td>
<td>0.58 (8-6), 0.75 (7-5)</td>
<td>0.94 (1-3, 2-4)</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.

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**Packaging** 350/13” reel; Plastic tape: 24 mm wide, 0.42 mm thick, 16 mm pocket spacing, 9.16 mm pocket depth

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This product is not RoHS-compliant. Contact Coilcraft for current status or possible alternatives.