Features
- IEEE 802.3af Ethernet compatible
- Designed for AMD IC manufacturers
- Fully integrated for adapter, hub and motherboard applications
- RoHS compliant*

Applications
- LAN (Local Area Network)
- Ethernet

Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turns Ratio</td>
<td>TX ± 5%:1CT*; RX ± 5%:1CT*</td>
</tr>
<tr>
<td>OCL (µH min)</td>
<td>350</td>
</tr>
<tr>
<td>Interwinding Capacitance</td>
<td>Cww (pF typ.): 20</td>
</tr>
<tr>
<td>Leakage Inductance Ls (µH max.)</td>
<td>0.5</td>
</tr>
<tr>
<td>Hipot 60 sec. (Vrms)</td>
<td>1500</td>
</tr>
<tr>
<td>DCR (Ω max.)</td>
<td>0.9</td>
</tr>
<tr>
<td>Polarity</td>
<td>1-16, 6-11 In-Phase</td>
</tr>
</tbody>
</table>

Insertion Loss
- 0.3-100 MHz: -1.1 dB Max. (TX/RX)
- Return Loss
  - 0.3-30 MHz: -18 dB Min. (TX/RX)
  - 40 MHz: -15 dB Min. (TX/RX)
  - 50 MHz: -13 dB Min. (TX/RX)
  - 60-80 MHz: -12 dB Min. (TX/RX)
- Cross Talk
  - 0.3 -60 MHz: -42 dB Min. (TX to RX)
  - 60-100 MHz: -35 dB Min. (TX to RX)
- Common Mode Rejection
  - 0.3-30 MHz: -40 dB Min. (TX/RX)
  - 60-100 MHz: -35 dB Min. (TX/RX)
  - 80-100 MHz: -30 dB Min. (TX/RX)

Operating Temperature
- 0 °C to +70 °C

Product Dimensions

Recommended Layout

Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.