**Electrical Characteristics @ 25°C**

<table>
<thead>
<tr>
<th>LED 2 POLARITY</th>
<th>LED 1 POLARITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIN 15</td>
<td>PIN 16</td>
</tr>
<tr>
<td>-</td>
<td>+</td>
</tr>
<tr>
<td>+</td>
<td>-</td>
</tr>
</tbody>
</table>

**Turns Ratio**

TP1: 1CT : 1CT ± 2%
TP2: 1CT : 1CT ± 2%
TP3: 1CT : 1CT ± 2%
TP4: 1CT : 1CT ± 2%

**OCL @ 100Hz/100mVRMS**

**For Channel 1, Channel 2**
- 8mA DC Bias (0°C - 70°C): 350μH MIN.
- 19mA DC Bias (0°C - 70°C): 120μH MIN.

**For Channel 3, Channel 4**
- 8mA DC Bias (0°C - 70°C): 350μH MIN.

**Ins. Loss**

- 0.5MHz to 1MHz: -11 dB MAX
- 1MHz to 65MHz: -15 dB MAX
- 65MHz to 100MHz: -15 dB MAX
- 100MHz to 125MHz: -15 dB MAX

**Return Loss (MIN @ 100ΩMS)**

- 0.5MHz-40MHz: -18 dB
- 40MHz-100MHz: -24dB+20log(f/100MHz) dB

**CM to CM Rej**

- 100kHz - 100MHz: -70 dB MIN
- 100kHz - 100MHz: -30 dB MIN

**CM to DM Rej**

- 100kHz - 100MHz: -35 dB MIN

**HIPOT (Isolation Voltage)**

- 2250 VDC

100% OF PRODUCTION TESTED TO COMPLY WITH
IEEE 802.3 ISOLATION REQUIREMENTS.

**Note:** Port-to-port isolation not included.

**Balanced DC Line Current**

- 600mA MAX, CONTINUOUS
- 12mA MAX, FOR 200 MILLISECONDS

**LEDs 1, 2**

- VF (Forward Voltage): 1F=20mA ORANGE 2.0V TYP.
- 2.2V TYP.

**λD (Dominant Wavelength):**

- 20mA ORANGE 605nm TYP.
- GREEN 570nm TYP.

**Operating Temperature:** 0°C to +70°C.
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PORT ASSIGNMENT (COMPONENT SIDE VIEW)

NOTES:
LED 1 (UPPER LED RIGHT) IS FOR LOWER PORT.
LED 2 (UPPER LED LEFT) IS FOR UPPER PORT.

PIN-OUT INFORMATION (COMPONENT SIDE VIEW)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>GND</td>
</tr>
<tr>
<td>9</td>
<td>TRDCT1/2/3/4</td>
</tr>
<tr>
<td>8</td>
<td>TRD 4+</td>
</tr>
<tr>
<td>7</td>
<td>TRD 4-</td>
</tr>
<tr>
<td>6</td>
<td>TRD 3+</td>
</tr>
<tr>
<td>5</td>
<td>TRD 3-</td>
</tr>
<tr>
<td>4</td>
<td>TRD 2+</td>
</tr>
<tr>
<td>3</td>
<td>TRD 2-</td>
</tr>
<tr>
<td>2</td>
<td>TRD 1+</td>
</tr>
<tr>
<td>1</td>
<td>TRD 1-</td>
</tr>
</tbody>
</table>

THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.
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OPTIONAL HOLE: THE 3 GROUNDING HOLES ARE RESERVED FOR NON-PoE PART

SUGGESTED FOOTPRINT (COMPONENT SIDE VIEW)
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SUGGESTED PANEL OPENING

NOTE:
The distance of panel inside surface relative to front surface of part is only a suggestion. In case this distance is different, the required panel opening dimensions change accordingly.

PACKING INFORMATION

PACKING TRAY: 0200-9999-G2 (TOP)
0200-9999-G3 (BOTTOM)

PACKING QUANTITY: 20 PCS FINISHED GOODS PER TRAY
5 TRAYS (100 PCS FINISHED GOODS) PER CARTON BOX

NOTE: CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)