Bourns Releases LAN 100Base-TX Ethernet Transformer

Model SM91078L

Riverside, California – November 9, 2022 – Bourns Magnetics Product Line is pleased to introduce an additional LAN Transformer, the Model SM91078L. This single-port 100Base-TX Ethernet Isolation Transformer module includes common mode chokes for noise rejection in Ethernet applications. The Model SM91078L is designed to meet 100Base-TX Ethernet communication with basic insulation, offers 4000 VAC isolation voltage, and has an expanded operating temperature range of -40 to +105 °C.

<table>
<thead>
<tr>
<th>Model</th>
<th>OCL (µH Min. @ 8 mA DC Bias)</th>
<th>Size (mm)</th>
<th>Working Voltage (V)</th>
<th>Creepage Distance (mm)</th>
<th>Clearance Distance (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM91078L</td>
<td>350</td>
<td>30.6 x 18.6 x 10.0</td>
<td>1500</td>
<td>Min. 8</td>
<td>Min. 8</td>
</tr>
</tbody>
</table>

Please visit the Bourns website at www.bourns.com/products/magnetic-products/transformers-signal for additional product details. If you have any questions, please contact Bourns Customer Service/Inside Sales.

Features
- Designed to meet 100Base-TX Ethernet requirements
- HI-POT (1 mA, 60 sec.): 4000 VAC
- Basic insulation per IEC 62368-1 standards
- 1500 VDC working voltage
- Creepage distance 8 mm minimum, pollution degree 2, material group CTI I
- Clearance distance 8 mm minimum, Overvoltage Category III, up to 4 km at sea level
- Expanded temperature range: -40 to +105 °C
- RoHS compliant*

Applications
- Energy Storage Systems
- Industrial 4.0
- White goods