Product Description

Eoptolink’s EOLP-1350G-02-X SFP56 transceiver module is designed for 50 Gigabit Ethernet, operating up to 53.125Gbps with 2 Kilometers link length on single mode fiber via a duplex LC connector. The transceiver has an SFP+ 20-pin connector compliant to SFF-8431 specification and supports hot plug and digital diagnostic function via an I²C.

The transmitter of the module integrates a DML chip and a Class 1 DFB laser is compliant to international Safety Standard IEC 60825. The receiver of the module integrates a linear TIA and a PIN detector with high sensitivity.

Features

- Up to 53.125Gbps (26.5625GBd PAM4)
- 1311nm DFB Transmitter
- Distance up to 2Km
- Duplex LC Connector Interface, Hot Pluggable
- Compliant to Specification SFF-8472
- Power Dissipation < 1.8W (0°C~+70°C)
- Power Dissipation < 2W (-40°C~+85°C)
- Operating Case Temperature
  - commercial: 0°C~+70°C
  - Industrial: -40°C~+85°C

Applications

- IEEE 802.3cd 50GBASE-FR
- Other Optical Link

Ordering Information

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Data Rate</th>
<th>Laser</th>
<th>Fiber</th>
<th>Distance</th>
<th>Temp.</th>
<th>DDMI</th>
</tr>
</thead>
<tbody>
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<td>EOLP-1350G-02</td>
<td>Up to 53.125Gbps</td>
<td>1311nm DFB</td>
<td>SMF</td>
<td>2km</td>
<td>0~+70°C</td>
<td>Yes</td>
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<td>Up to 53.125Gbps</td>
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<td>SMF</td>
<td>2km</td>
<td>-40~+85°C</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*1: For the latest certification information, please check with Eoptolink.
*The product image is only for reference purpose.
Notice

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