Super-Luminescent Light Emitting Diode (SLD)

TO CAN Packaged Devices

Features
- High power and broad band
- Low coherence length
- Uncooled & Cooled TO package
- Monitor PD is an option

Applications
- High Voltage & Current Monitor
- Optical Fiber sensor systems
- Optical communication

IPSDT1303 SLD Pigtailed Coaxial Device Specifications (Tcase=25°C)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
<th>Unit</th>
<th>Test Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central Wavelength</td>
<td>1280</td>
<td>1310</td>
<td>1340</td>
<td>nm</td>
<td></td>
</tr>
<tr>
<td>3 dB Bandwidth</td>
<td>35</td>
<td>40</td>
<td>-</td>
<td>nm</td>
<td></td>
</tr>
<tr>
<td>Output Power</td>
<td>0.3</td>
<td>0.5</td>
<td>-</td>
<td>mW</td>
<td>SM Fiber Output</td>
</tr>
<tr>
<td>Operating Current</td>
<td>-</td>
<td>120</td>
<td>160</td>
<td>mA</td>
<td></td>
</tr>
<tr>
<td>Forward Voltage</td>
<td>-</td>
<td>2</td>
<td>2.2</td>
<td>V</td>
<td></td>
</tr>
<tr>
<td>Spectral Ripple</td>
<td>-</td>
<td>0.1</td>
<td>0.5</td>
<td>dB</td>
<td></td>
</tr>
</tbody>
</table>

Detailed Information about operation/storage temperature available upon request: Contact sales@inphenix.com for more details
<table>
<thead>
<tr>
<th>Pin#</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SLD Anode</td>
</tr>
<tr>
<td>2</td>
<td>SLD Cathode, PD Cathode and Case</td>
</tr>
<tr>
<td>3</td>
<td>PD Anode</td>
</tr>
</tbody>
</table>

φ9 mm TO-CAN (TO5/TO9/TO39)

All information contained herein is believed to be accurate and is subject to change without notification. No responsibility is assumed. Please contact InPhenix for more information. InPhenix and the InPhenix logo are trademarks of InPhenix Inc. All rights are reserved.
### Pin# | Connection
--- | ---
1 | PD Anode
2 | SLD Cathode, PD Cathode and Case
3 | SLD Anode
4 | TBD

### Pigtail Information

<table>
<thead>
<tr>
<th>Connector</th>
<th>TBD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiber</td>
<td>SMF</td>
</tr>
<tr>
<td>Fiber Length</td>
<td>0.5 m</td>
</tr>
</tbody>
</table>

**ϕ5.6 mm Pigtailed Coaxial Device (TO56 Header)**
Part Numbering System

Model-
IPSDT1303: 1310nm SLD TO CAN
IPSDT1501: 1550nm SLD TO CAN

Package-
7: TO 56
8: TO 8
9: TO 9

Fiber Type:
0: No Cap   1: Single Mode   5: Ball Lens
6: Flat Glass   7: Aspheric Lens

Jacket Type:
0: No Jacket
1: 900 μm
2: 250 μm tight buffer

Connector Type:
0: No Connectors
3: FC/APC
4: FC/UPC
7: SC/APC
8: SC/UPC

Back Facet Monitor:
Available upon request

Example: IPSDT1303-7113: 1310nm SLD, TO 56, Single Mode Fiber, 900 μm and FC/APC Connector.

Corporate Office
250 North Mines Rd
Livermore, CA 94551
Tel: 925.606.8809
Fax: 925.606.8810
www.inphenix.com
sales@inphenix.com