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
- Medical diagnostic systems
- Optical Fiber sensor systems
- Illumination

IPSDT0803 SLD TO CAN 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>800</td>
<td>820</td>
<td>840</td>
<td>nm</td>
<td></td>
</tr>
<tr>
<td>3 dB Bandwidth</td>
<td>20</td>
<td>25</td>
<td>-</td>
<td>nm</td>
<td></td>
</tr>
<tr>
<td>Output Power</td>
<td>5</td>
<td>8</td>
<td>-</td>
<td>mW</td>
<td>Flat Window Output</td>
</tr>
<tr>
<td>Operating Current</td>
<td>-</td>
<td>140</td>
<td>200</td>
<td>mA</td>
<td></td>
</tr>
<tr>
<td>Forward Voltage</td>
<td>-</td>
<td>-</td>
<td>-</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>
<tr>
<td>Beam Spread Angle:</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Parallel</td>
<td>-</td>
<td>10</td>
<td>25</td>
<td>degree</td>
<td></td>
</tr>
<tr>
<td>- Vertical</td>
<td>-</td>
<td>38</td>
<td>45</td>
<td>degree</td>
<td></td>
</tr>
</tbody>
</table>

Detailed Information about operation/storage temperature available upon request: Contact sales@inphenix.com for more details

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 | SLD Anode
2 | SLD Cathode, PD Cathode and Case
3 | PD Anode

φ9 mm TO-CAN (TO5/TO9/TO39)
Pin# | Connection
---|---
1  | PD Anode
2  | SLD Cathode, PD Cathode and Case
3  | SLD Anode
4  | 

Pigtail Information

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Connector</td>
<td>TBD</td>
</tr>
<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:
- IPSDT0701: 750nm SLD TO CAN
- IPSDT080X: 820nm SLD TO CAN
- IPSDT090X: 900nm SLD TO CAN
- IPSDT13XX: 1310nm SLD TO CAN
- IPSDT150X: 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: IPSDT0801-9700: 820nm SLD, TO9 package with Aspheric lens.

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

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.