Super-Luminescent Light Emitting Diode (SLD)

TO CAN Packaged Devices

<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>820</td>
<td>830</td>
<td>850</td>
<td>nm</td>
<td></td>
</tr>
<tr>
<td>3 dB Bandwidth</td>
<td>30</td>
<td>32</td>
<td>-</td>
<td>nm</td>
<td></td>
</tr>
<tr>
<td>Output Power</td>
<td>40</td>
<td>45</td>
<td>-</td>
<td>mW</td>
<td>Flat Window Output</td>
</tr>
<tr>
<td>Operating Current</td>
<td>-</td>
<td>250</td>
<td>400</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>degree</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>
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</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)
**Pin#** | **Connection**  
--- | ---  
1 | PD Anode  
2 | SLD Cathode, PD Cathode and Case  
3 | SLD Anode  
4 |  

**Pigtail Information**  
| **Connector** | **TBD**  
| **Fiber** | **SMF**  
| **Fiber Length** | **0.5 m**  

**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.