## **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

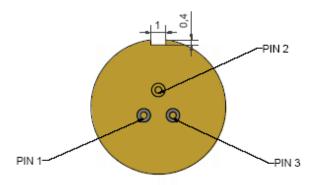
## **Applications**

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

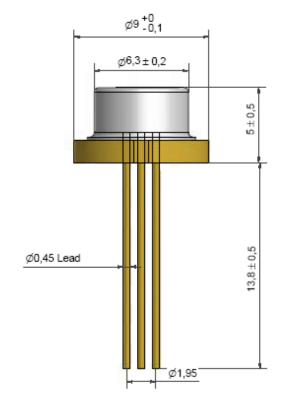
## **IPSDT1303 SLD Pigtailed Coaxial Device Specifications (Tcase=25°C)**

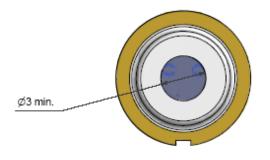
Parameter	Min.	Тур.	Max.	Unit	Test Condition
Central Wavelength	1280	1310	1340	nm	
3 dB Bandwidth	35	40	-	nm	
Output Power	0.3	0.5	-	mW	SM Fiber Output
Operating Current	-	120	160	mA	-
Forward Voltage	-	2	2.2	V	
Spectral Ripple	-	0.1	0.5	dB	

Detailed Information about operation/storage temperature available upon request: Contact <a href="mailto:sales@inphenix.com">sales@inphenix.com</a> for more details



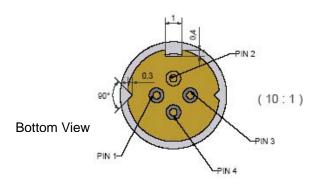
Pin#	Connection
1	SLD Anode
2	SLD Cathode, PD
<i>L</i>	Cathode and Case
3	PD Anode





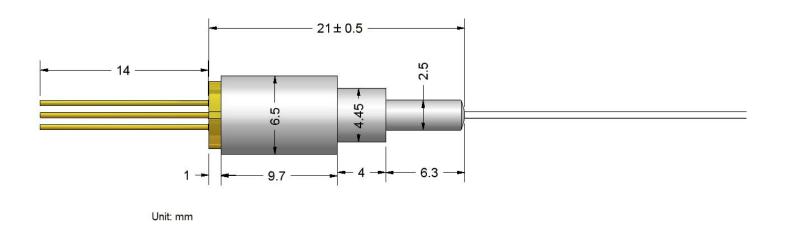
φ9 mm TO-CAN (TO5/TO9/TO39)

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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- IPSDT1303: 1310nm SLD TO CAN IPSDT1501: 1550nm SLD TO CAN	
Package- 7: TO 56 8: TO 8 9: TO 9 Fiber Type: 0: No Fiber 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  $\mu m$  and FC/APC Connector.

### **Corporate Office**

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