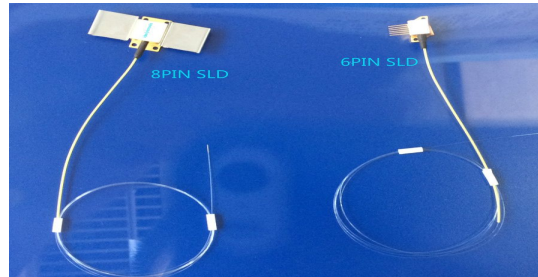


1310nm Superluminescent Diode



Description

SLED is a high-capability,wide spectral range,high stability,low degree of coherence broadband light source.Single-mode or polarization maintaining fiber output,can choose a variety types of connectors or adapters,to facilitate rapid interconnection with external devices,and low loss. Output optical power can be adjusted.

Feature

- 8pin Butterfly Package
- With Thermoelectricity Cooler (TEC)
- SMF or PMF Coupling
- Excellent Reliability, Used Glass
- Solder Fixing Fiber
- Telcordia GR-468-CORE Compliant

Application

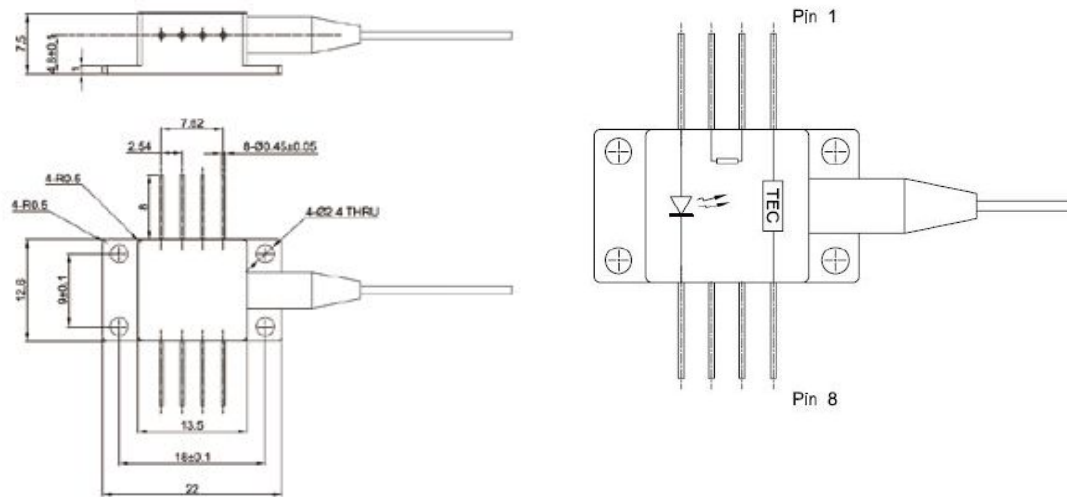
- Optical Fiber Gyroscope
- Optical Fiber Sensor
- Optic Passive Module Test

Specification

Parameters	Symbol	Min.	Typ	Max.	Unit
Operation Current	Iop	-	100		mA
Optical Output Power	Pf	0.3		2	mW
Center Wavelength	λ_c	1290	1310	1330	nm

Bandwidth FWHM	Bw	35	40	-	nm
Spectral Ripple		-	0.1	0.2	dB
Polarization Extinction Ratio	PER	-	-	1.0	dB
TE	ΔP	-	-	5	%
Operating temperature	Top	-45	70	°C	

Package information



Pin Number	Connection	Pin Number	Connection
1	TEC Cooler (+)	5	SLD Cathode (-)
2	Thermistor	6	NC
3	Thermistor	7	NC
4	SLD Anode (+)	8	TEC Cooler (-)

Ordering information

Model	Wavelength (nm)	Optical devices type	Operat. Current (mA) Type	Output Power (mW)	Operating Temp. (°C)	Fiber Connector
IDP-13-SLD	1310	SLD	100	0.3-1.8	-45~85	FC/APC