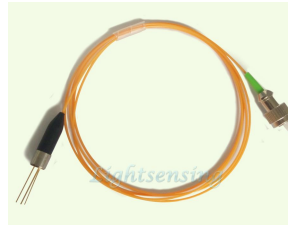


850nm 10G VCSEL coaxial laser diode

Version: 3.1 17-03-01

Model: LSVLD850-10G
Features:

- VCSEL , multimode
- Direct modulation rate up to 10Gbps
- High reliable, Built-in monitor PD
- Low threshold/operate current
- Hermetic package TO56 Can with receptacle or with fiber coupling


Applications:

- Optical Sensing
- Optical communication
- Industrial automatic control
- Science analysis and experiment
- Test and Measurement Equipment

Absolute maximum ratings:

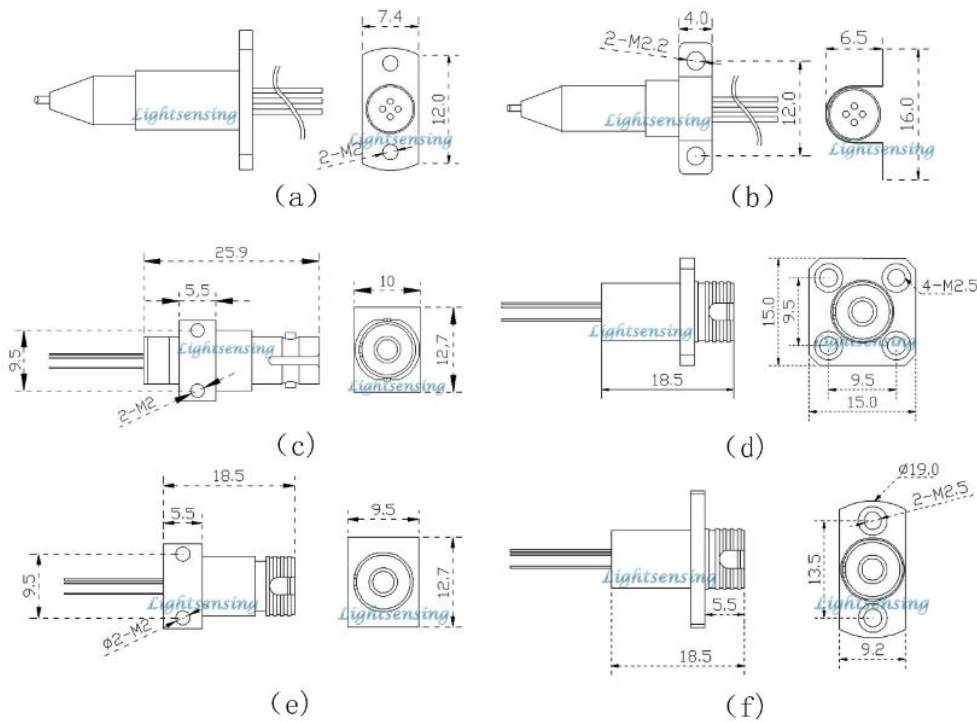
parameter	symbol	value	unit
Operating temperature	Top	-10~+85	°C
Storage temperature	Tstg	-40~+90	°C
Laser diode Reverse voltage	V _r	4	V
Soldering temperature/time		260/10	°C/S

Electrical and optical characteristics:(T=25°C)

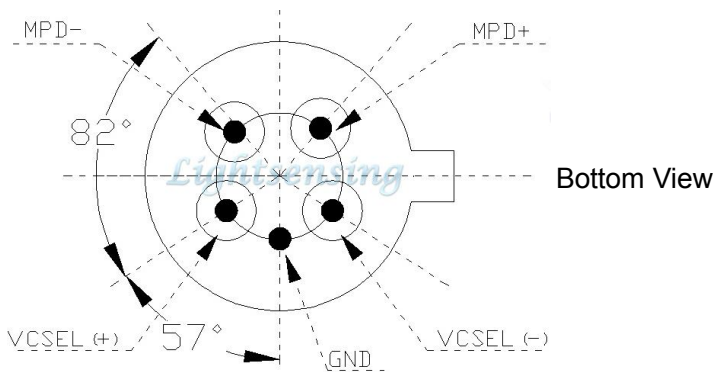
parameter	symbol	Min.	Typ,	Max.	unit
Center wavelength	λ	840	850	860	nm
Threshold Current	I _{th}		1		mA
Operating Current	I _{op}		6.5	7.5	mA
Operating Voltage	V _{op}		2.0	2.4	V
Output power(from fiber)	P	0.3	0.5		mW
Spectral width	$\Delta\lambda$		1		nm
Wavelength/Temp. Coefficient	$\Delta\lambda/\Delta T$		0.5		nm/°C
Rise/ Fall time	Tr/Tf(6mA)		50		ps
Band width	BW		8.5		GHZ
Monitoring Output Current	I _m (6mA)	0.05	1		mA
Monitor Dark current	I _d (V _r =5V)			100	nA
Monitor Capacitance	C (V _r =5V)		10		pF
package	Hermetic package TO56 Can with receptacle or with fiber coupling				

NOTICE: The above product specifications are subject to change without notice.

The package Dimensions



PIN description



Order information

LSVLD850-10G-X- X

mW

X=0.5

Other

X=a

X=b

X=cJKST

X=dJKFC

X=e JKFC

X=f JKFC

X=Other

a package with 62.5um MM Fiber with FC/UPC or FC/APC

b package with 62.5um MM Fiber with FC/UPC or FC/APC

c package with ST receptacle

d package with FC receptacle

e package with FC receptacle

f package with FC receptacle

By customer's request

The cautions

1: The above product specifications are subject to change without notice.

2: The suitable ESD protecting measures are recommend in storage,transporting and using.

3: The fiber bending radius no less than 20mm for avoiding fiber damaged ,Be sure the fiber coupling facet is clean before connecting it to opto-circuit.