808nm 40mW FP MM coaxial laser diode

Version: 3.1 17-03-01

Model: LSFLD808M-40

Features:

- MQW F-P LD. multiple mode
- Metal can type hermetic
- Low threshold/operate current
- High reliable

Applications:

- Optical Sensing
- Medical instrument
- Industrial automatic control
- Science analysis and experiment
- Test and Measurement Equipment
- Laser range finder

Absolute maximum ratings:

parameter	symbol	value	unit
Operating temperature	Top	-10～+60	℃
Storage temperature	Tstg	-40～+85	℃
Laser diode Reverse voltage	V_r	2	V
Soldering temperature/time		260/10	℃/S

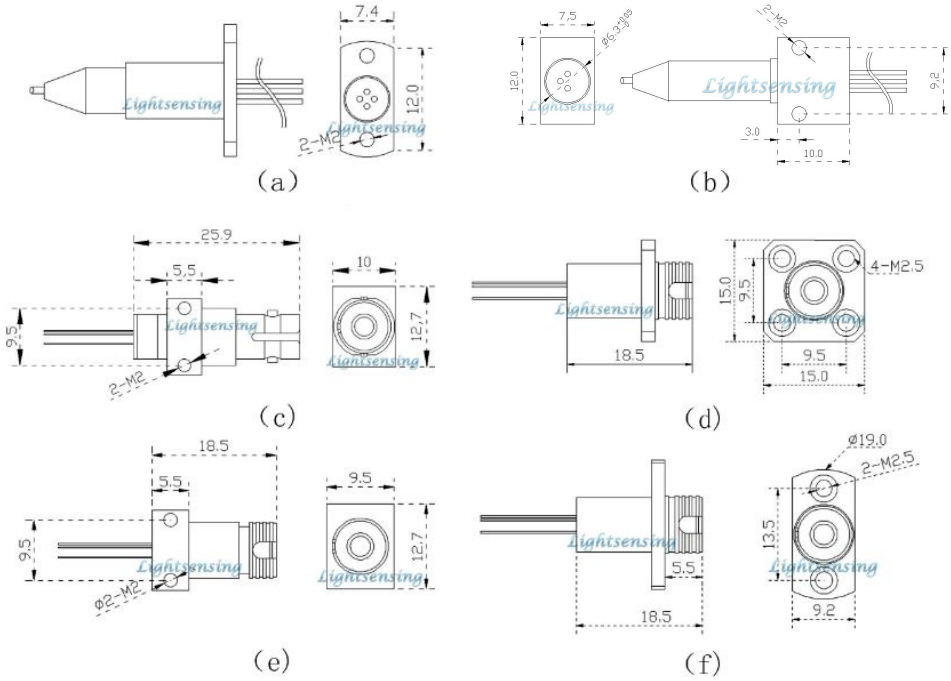
Electrical and optical characteristics:(T=25℃)

parameter	symbol	Min.	Typ,	Max.	unit
Center wavelength	λ	798	808	818	nm
Threshold Current	Ith		70	90	mA
Operating Current	Iop		250	300	mA
Spectral width	Δλ		5		nm
Operating Voltage	Vop		1.7	2.0	V
Light output power(from 62.5um fiber) *1	Po(CW)	40			mW
package	Hermetic TO56 Can with fiber coupling or receptacle				

*1 Note: For 105um MM fiber (NA =0.22), the output power can increase about 50%

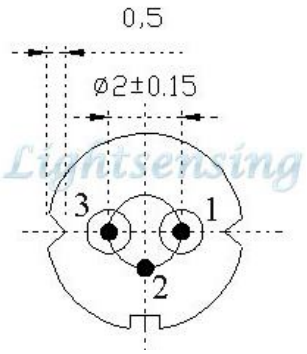
NOTICE: The above product specifications are subject to change without notice.

The package Dimensions



PIN description

Bottom View



pin	function
1	LD Cathode
2	LD anode, case
3	

Order information

LSFLD808M-X-X M=multiple mode

mW	X=a	a package with 62.5 um or 105um MM Fiber coupling with FC/UPC or FC/APC connector
X=40	X=b	b package with 62.5 um or 105um MM Fiber coupling with FC/UPC or FC/APC connector
X=other	X=cJKST	c package with ST receptacle
	X=dJKFC	d package with FC receptacle
	X=e JKFC	e package with FC receptacle
	X=f JKFC	f package with FC receptacle
	X=Other	By customer's request

The cautions

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

2: The suitable ESD protection is required in storage, transportation 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.