405nm 3mW FP SM coaxial laser diode Version: 3.1 17-03-01

Model: LSFLD405-3

Features:

- MQW F-P LD
- Single mode
- Built-in monitor PD
- Metal can type hermetic
- Low threshold/operate current
- High reliable

Applications:

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

Absolute maximum ratings:

parameter	symbol	value	unit
Operating temperature	Top	0～+50	℃
Storage temperature	Tstg	-40～+85	℃
Reverse voltage	V_r	2	V
Soldering temperature/time		260/10	℃/S

Electrical and optical characteristics:(T=25℃)

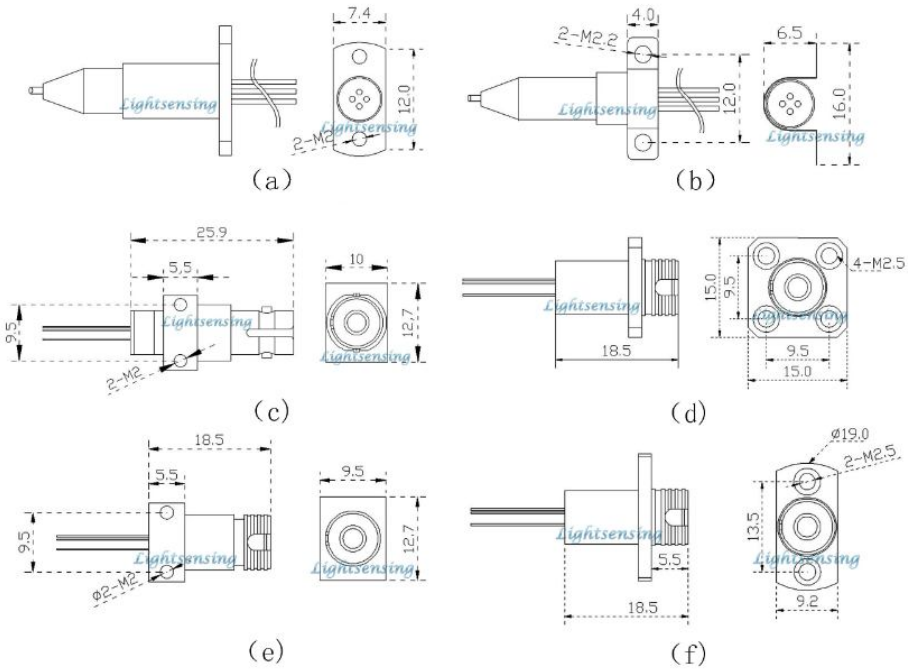
parameter	symbol	Min.	Typ,	Max.	unit
Center wavelength	λ	395	405	415	nm
Threshold Current	Ith		26	50	mA
Operating Current	Iop		35	60	mA
Operating Voltage	Vop		4.8	5.6	V
Output power(from 9um SM fiber)*1	P		3		mW
Monitoring Output Current	Im	0.1	0.2	0.5	mA
package	Hermetic TO18 Can with fiber coupling or receptacle				

*1 Note: For 62.5um MM fiber, the output power can double.

For 4um SM fiber (NA =0.13), the output power can reduce about 50%

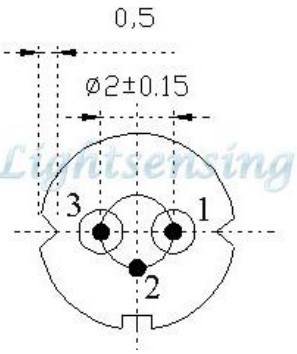
NOTE: The above product specifications are subject to change without notice.

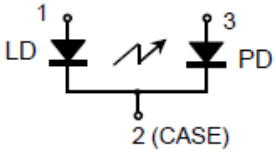
The package Dimensions



PIN description

Bottom View





pin	function
1	LD Anode
2	LD Cathode, PD cathode, case
3	PD anode

Order information

LSFLD405-X-X

mW
X=3
X=other

X=a	a package with 4um SM, 9um SM or MM Fiber coupling with FC/UPC or FC/APC connector
X=b	b package with 4um SM, 9um SM or MM Fiber coupling with FC/UPC or FC/APC connector
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.