850nm FP Pulse120mW OTDR coaxial laser diode

Version: 3.1 17-03-01

Model: LSPLD850-OT-120

Features:

- MQW F-P LD
- Low threshold/operate current
- High reliable
- Hermetic TO56 can with receptacle or With fiber coupling



Applications:

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

Absolute maximum ratings:

parameter	symbol	value	unit
Operating temperature	Top	-20～+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	830	850	870	nm
Threshold Current	Ith		35	70	mA
Pulse Operating Current	Iop		280	450	mA
Spectral width	Δλ		8		nm
Rise time/fall time	Tr/Tf		1		ns
Operating Voltage	Vop		2.5	3.2	V
Light output power(from 62.5um MM fiber)	Po(pulse)		120		mW
package	Hermetic TO56 can with receptacle or With fiber coupling				

Note: All above values are for operation @ 25°C. If not otherwise stated, the characteristics are for operation under pulse current (pulse width = 10us and duty cycle 1 %).

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

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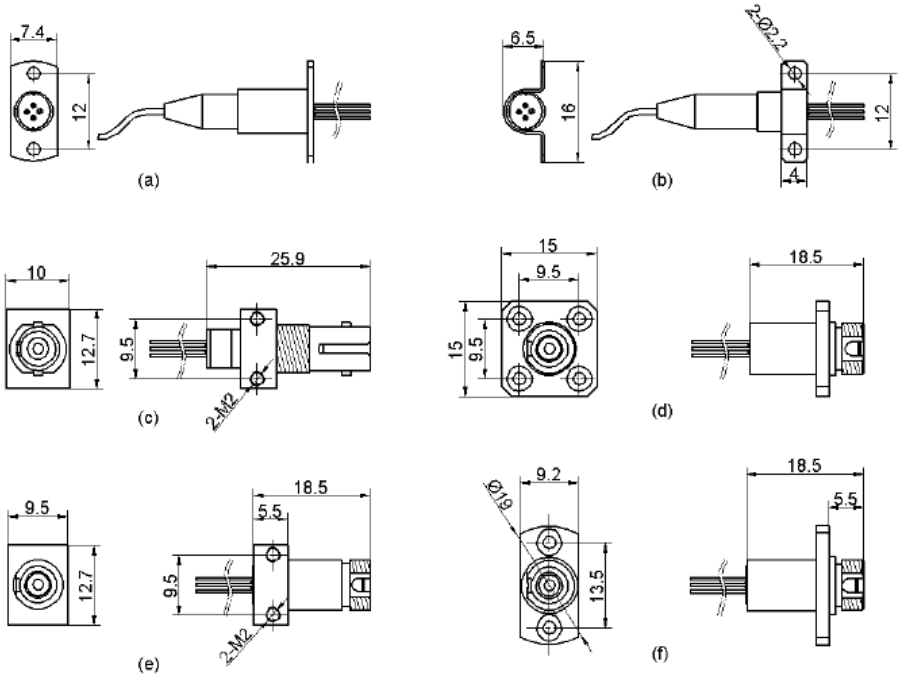
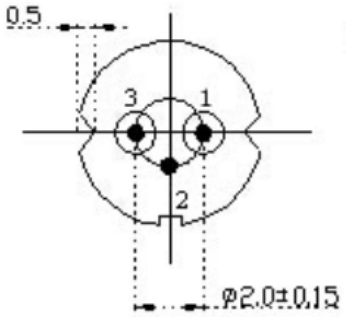
TEL：+86-010-82873449 FAX：+86-010-62557230 Email：info@lightsensing.com Website：www.lightsensing.com

The package Dimensions



PIN description

Bottom View



pin	function
1	LD Cathode
2	LD anode, case
3	

Order information

LSPLD850-OT-X-X

mW
X=120
X=other

X=a	a package with 50um or 62.5um MM Fiber coupling with FC/UPC or FC/APC connector
X=b	b package with 50um or 62.5um MM Fiber coupling with FC/UPC or FC/APC connector
X=c	c package with ST receptacle
X=d	d package with FC receptacle
X=e	e package with FC receptacle
X=f	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.

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