



1625nm Pulse Laser For OTDR

Features

- High output power $P_f = 40\text{mW}$ @ $I_{FP} = 400\text{mA}$
- Long wavelength $\lambda_c = 1625\text{ nm}$
- Built-in monitor PD
- Pulse Conditions: Pulse width (PW) = 10 μs , Duty = 1%



Applications

OTDR System

Absolute Maximum Ratings

Parameter	Symbol	Min.	Typical	Max.	Unit
Pulsed Forward Current	IFP			700	mA
Reverse Voltage	VR			2	V
Reverse Voltage (monitor PD)	VRM			10	V
Reverse Current (monitor PD)	IFPM			2	mA
Operating Case Temperature	TC	0		60	$^{\circ}\text{C}$
Storage Temperature	Tstg	-40		85	$^{\circ}\text{C}$
Lead Soldering Temperature	Tsld			260(10s)	$^{\circ}\text{C}$
Relative Humidity (noncondensing)	RH			85	%

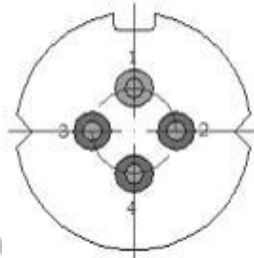
Optical & Electrical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Forward Voltage	VFP			3.0	V	IFP = 400 mA, PW = 10 μs , Duty = 1%
Threshold Current	I _{th}		20	35	mA	
Optical Output Power From Fiber	P _f	40			mW	IFP = 400 mA, PW = 10 μs , Duty = 1%
Center Wavelength	λ_c	1620	1625	1630	nm	IFP = 400 mA, PW = 10 μs , Duty = 1%
Spectral Width	σ			4	nm	RMS (-3 dB)
Rise Time	t _r		0.5	2.0	ns	10-90%
Fall Time	t _f		0.5	2.0	ns	90-10%
Monitor Current	I _m	0.05		2	mA	VRM = 5 V



Pin Description:

LD:



Type A:

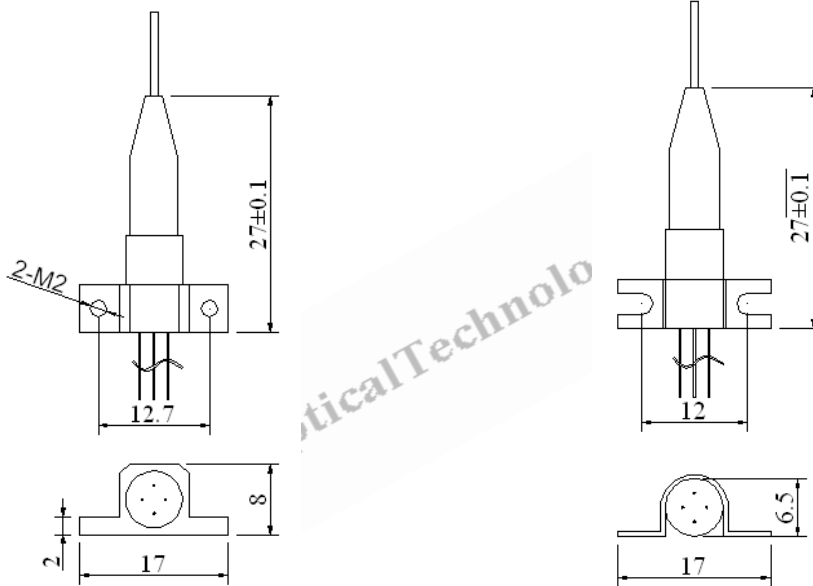
【1】 LD +

【2】 LD -

【3】 PD +

【4】 PD -

Package Outline



Order information

PLD-F622-XAXP40

P	LD	-F	65	2	-X	A	X	X
Mode	Product Type	Chip	Wavelength	Bandwidth	Connector	Pin	Pigtail Length	Power Range
		F: FP	62: 1625nm	2: 2.5Gb/s	1: FC/APC 2: FC/PC 3: SC/APC 4: SC/PC 5: LC/PC 6: LC/APC	A: 725	05: 0.5m 10: 1.0m	P40: >40mW

Additional requirements can be settled through friendly negotiation.

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