



1650nm Pulse Laser For OTDR

Features

- High output power $P_f = 30 \text{ mW}$ @ $I_{FP} = 400 \text{ mA}$
- Long wavelength $\lambda_c = 1650 \text{ nm}$
- Built-in monitor PD
- Pulse Conditions: Pulse width (PW) = $10 \mu\text{s}$, Duty = 1%



Applications

OTDR System

Absolute Maximum Ratings

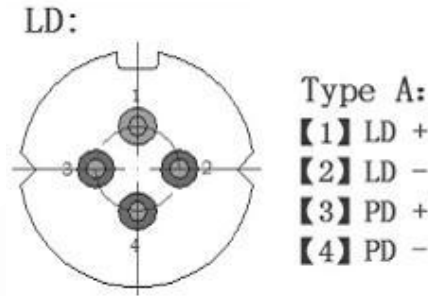
Parameter	Symbol	Min.	Typical	Max.	Unit
Pulsed Forward Current	IFP			700	mA
Reverse Voltage	VR			2	V
Reverse Voltage (monitor PD)	VRM			10	V
Reverse Current (monitor PD)	IFPM			2	mA
Operating Case Temperature	TC	0		60	°C
Storage Temperature	Tstg	-40		85	°C
Lead Soldering Temperature	Tsld			260(10s)	°C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

Optical & Electrical Characteristics

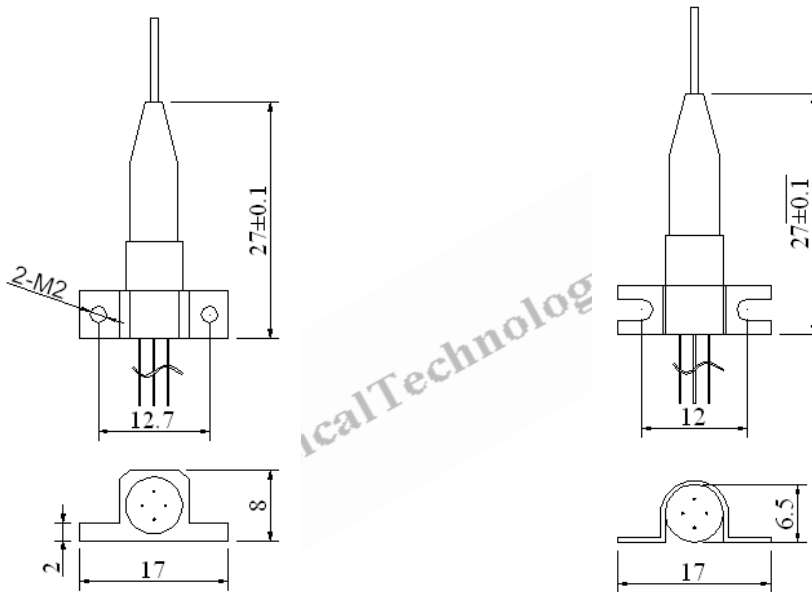
Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Forward Voltage	VFP			3.0	V	IFP = 400 mA, PW = $10 \mu\text{s}$, Duty = 1%
Threshold Current	Ith		20	35	mA	
Optical Output Power From Fiber	Pf	30			mW	IFP = 400 mA, PW = $10 \mu\text{s}$, Duty = 1%
Center Wavelength	λ_c	1645	1650	1655	nm	IFP = 400 mA, PW = $10 \mu\text{s}$, Duty = 1%
Spectral Width	σ			4	nm	RMS (-3 dB)
Rise Time	tr		0.5	2.0	ns	10-90%
Fall Time	tf		0.5	2.0	ns	90-10%
Monitor Current	Im	0.05		2	mA	VRM = 5 V

Pin Description:

Address: 5-floor, Block B Creative Building, Shaojia Tsui, Wenzhi St., Hongshan District, Wuhan, City, Hubei, P.R. China
430074



Package Outline



Order information PLD-F652-XAXP30

P	LD	-F	65	2	-X	A	X	X
Mode	Product Type	Chip	Wavelength	Bandwidth	Connector	Pin	Pigtail Length	Power Range
		F: FP	65: 1650nm	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	P30: >30mW

Additional requirements can be settled through friendly negotiation.

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