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 FP Pulse laser coaxial package

Features

- Advanced Multiple Quantum Well (MQW) laser
- Fabry Perot (FP) Laser Design
- High output power
- Pulse width (PW) =10μs, Duty=1%

Application

- Light Source
- Sensor
- Data Transmit
- OTDR



1 Absolution Maximun Ratings (Tc=25℃.unless otherwise specified)

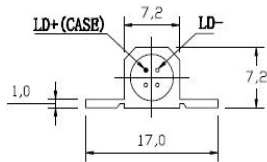
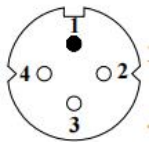
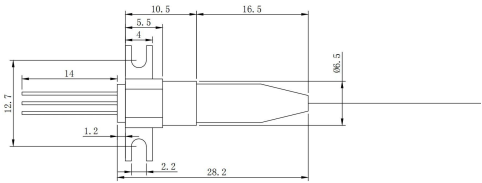
Parameters	Symbol	Min.	Max.	Unit	Test Condition
Pulsed Forward Current	I _{FP}	-	1200	mA	-
Reverse Voltage (Laser diode)	V _{RL}	-	2	V	CW,25 °C
Operating Temperature	Top	-20	+60	°C	-
Storage Temperature	Tstg	-40	+85	°C	-
Soldering Temperature/Time	-	260/10		°C/S	-
Relative Humidity (noncondensing)	RH	85		%	-

2 Specifications (electrical & optical characteristics,Tc=25℃)

Parameters	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	V _{FP}			4.0	V	IFP ≤ 1200mA, PW=10us.Duty=1%
Threshold Current	I _{th}		45	75	mA	
Optical Output Power From Fiber	P _t	200	-	-	mW	@1310nm
		180	-	-		@1550nm
		100	-	-		@1625nm
		100	-	-		@1650nm
Spectral Width	σ			5.0	nm	RMS(-20dB), IFP=1200mA, PW=10us.Duty=1% Tc= 0℃ to + 60℃
Rise Time/ Fall Time	T _R /T _F	-	-	2.0	ns	10-90% . 90-10%
Tracking Error	ER	-1.0	-	1.0	dB	Im hold@Po=1mW, 25℃,CW Tc=-45℃ ~ +85℃
Center wavelength	λ _c	-	1310	-	nm	RMS (-20 dB), IFP=1200 mA, PW=10us.Duty=1%
		-	1550	-		
		-	1625	-		
		-	1650	-		

3 Dimensions(mm)

Pin Assignment



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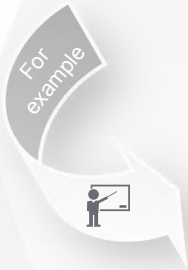
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Order Information

Pulse laser series

Please let us know

- 1: output power
- 2: fiber type
- 3: connector
- 4: with flange or not



Part No.	Description
GTA1005	1310nm pulse laser with flange
GTA1005N	1310nm pulse laser without flange
GTA1006	1550nm pulse laser with flange
GTA1006N	1550nm pulse laser without flange
GTA1011	1625nm pulse laser with flange
GTA1011N	1625nm pulse laser without flange
GTA1012	1650nm pulse laser with flange
GTA1012N	1650nm pulse laser without flange



Please let us know your request details before order.

** If you have your own Pin Assignment request .

Kindly share it with us before order .



Customize for you

