CWDM（1270nm~1610nm）DFB Pulse laser diode module

Features

- Advanced Multiple Quantum Well (MQW) laser
- Distributed Feedback (DFB) Laser Design
- Low Threshold Current
- Built-in InGaAsP monitor PD
- Cost-effective Uncooled Laser Technology
- 1 Pulse Conditions: Pulse width (PW)=10us, Duty = 1%

Application

- CATV Return-Patch
- Analog Transmission
- Light Source
- Sensor
- Optical telecommunication
- OTDR

Absolute Maximum Ratings (Tc=25℃.unless otherwise specified)

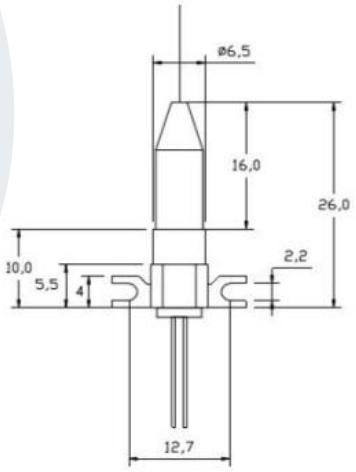
Parameter	Symbol	Min.	Max.	Unit	Test Condition
Reverse voltage (monitor PD)	V_{RM}	-	10	V	-
Reverse Voltage	V_R		2	V	CW
Operating Temperature	T_{OP}	-20	+70	℃	-
Storage Temperature	Tstg	-40	+100	℃	-
Soldering Temperature/Time	-	260/10		℃/S	-

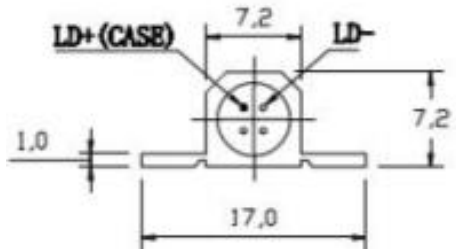
Reverse Current (monitor PD)	IF_{PM}	-	2	mA	-
Relative Humidity (non-condensing)	RH		85	%	-

Optical & electrical characteristics (Tc=25℃)

Parameter	Symbol	Min	Typ.	Max.	Unit	Test Conditions
Optical Output Power	Po	30	-	-	mW	IFP= 350mA,Pw=10us,Duty= 1%, 30s,min.
Threshold Current	Ith	0.05	-	2	mA	Pfcw = 2mW, Vrm = 2V
Forward Voltage	VF	-	-	3.5	V	IFP= 350mA,Pw=10us,Duty= 1%
Center Wavelength	λc	1290	1310	1330	nm	Rms (-20 dB),IFP=350mA, Pw=10us,Duty= 1%
		1530	1550	1570		
		λc-3	λc	λc+3		* O+S+C+L
Spectral Width (-20 dB)	Δλ	-	0.5	1	nm	CW, 25℃,Ith+ 20mA
Rise / Fall time	Tr / Tf	-	0.3	0.7	ns	CW,Ith+ 20mA
Monitor Dark Current	ID	-	-	200	nA	Vrpd = 5 V
Optical Isolation	ISO	30	-	-	dB	25℃

Dimensions(mm)





Order Information

GTA1003

“O Wavelength” 1270nm ~ 1410nm.
“ S+C+L Wavelength” 1430nm ~ 1610nm.

Please let us know your request details before order.

Customize for you