



InGaAs Photodetector Module (TO-5 8 pins)

Cooler

Features

- High Responsivity
- Front Side illuminated
- Double-side Pads
- Built-in TEC, Thermistor

Application

- Monitoring and Meter
- Optical Instruments
- Test equipment
- For Near-infrared Sensing



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

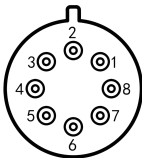
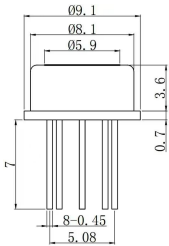
Parameters	Symbol	Min.	Max.	Unit	Test Condition
Relative Humidity	R _H	-	95%		Top < 30°C
Case Operating Temperature	Top	-20	+70	°C	-
TEC Cooler Current	Icooler		1.1	A	-
Storage Temperature	Tst	-40	+100	°C	-
Operating Temperature	Top	-40	+85	°C	-
TEC Voltage	V _{TEC}		0.85	V	-
Thermistor	Rth	9.5	10.5	KΩ	25°C
Thermoelectric Cooler Current	Icooler	-	1500	mA	CW, -5°C ~ 60°C
Thermoelectric Cooler Voltage	Vcooler	-	1.5	V	CW, -5°C ~ 60°C

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

Parameters	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Wavelength Range	λ	900	-	1700	nm	-
Band Width		-	-	0.02	GHz	-3dBm
Thermal Electric Cooler		-		0.85	V	Voltage
		-		1.1	A	Current
Dark Current	Id	-0.5	-	-20	nA	V _R = 5V
Responsibility	Res		0.95 @ 1310nm		A / W	λ=1310nm
			1.05 @ 1550nm			λ=1550nm
Foward Voltage		-	0.4	0.6	V	1mA
Input Power Range	P	-70	-	36	dBm	VR=5V
Breakdown	V _{BR}	-30	-	-40	V	-10 uA

3 Dimensions(mm)

Pin Assignment



1. Thermistor
2. PD+
3. TEC+
4. TEC-
5. PD-
6. Thermistor
7. NC
8. NC



Customize for you





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Order Information

InGaAs Photodetector Cooler Module

Please let us know

- 1: Active diameter
- 2: connector
- 3: others (If you have many more request)



Part Number	Description
GTA207E	φ1000, cooler PD, TO-CAN
GTA206E	φ2000, cooler PD, TO-CAN

