InGaAs Photodetector Module

Features

- Wide Dynamic Range
- Long Wavelength Operation
- Low Dark Current
- High Responsivity

Application

- Monitoring and Meter
- Optical Instruments
- Power Monitoring
- Test equipment



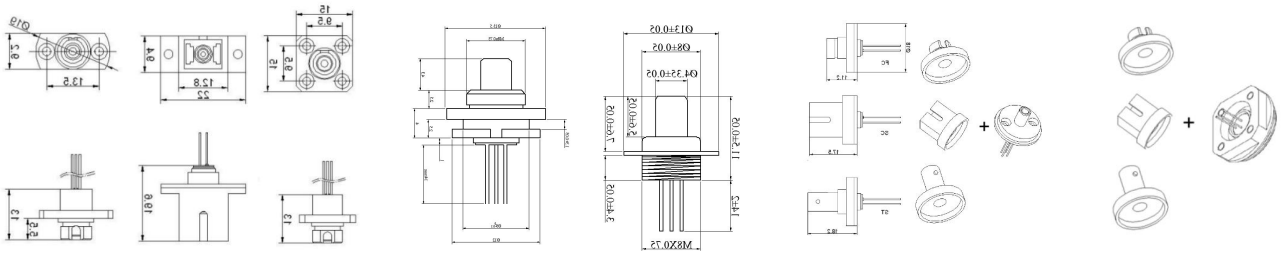
1 Absolution Maximun Ratings (Tc=25℃.unless otherwise specified)

Parameters	Symbol	Min.	Max.	Unit	Test Condition
Forward Current	I_{FP}	-	10	mA	CW,25 ℃
Reverse Bias	V_{RL}	-	20	V	CW,25 ℃
Operating Temperature	Top	-20	+70	℃	-
Storage Temperature	Tstg	-40	+100	℃	-
Soldering Temperature/Time	-	260/10		℃/S	-

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

Parameters	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Wavelength Range	λ	800	-	1700	nm	-
Active Area	Φ	-	300 1000 2000	-	μm	-
Saturated Optical Power	Ps	10	-	-	dBm	V_R= 0V
Dark Current	Id	-	-	5	nA	V_R= 5V
Responsibility	Res	0.85 @ 1310nm			A / W	φ e=100μw,λ=1310nm
		0.90 @ 1550nm				φ e=100μw,λ=1550nm
Capacitance	Ct	-	-	10	pF	VR=5V, f = 1 MHz @Φ300
				150	pF	@Φ1000
				500	pF	@Φ2000
Input Power Range	P	-70	-	6	dBm	VR=5V,RL = 50Ω
		-60	-	+16		
		-50	-	+26		
		-40	-	+36		
Reverse Breakdown	V_{BR}	35	-	-	v	Id=10μA,φ e=0

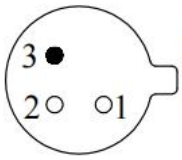
3 Dimensions(mm)



1: FC(2) 2: SC 3: FC(4) 4: mini 1 5: mini 2 6:G2 (FC.SC.ST) Changeable Connector 7:G4

InGaAs Photodetector Module

3 Pin Assignment



1:PD+
2:PD-
3:CASE

4 Order Information

InGaAs Photodetector Module (with connector)

Please let us know
1: Active diameter
2: Input power
3: connectors
4: others (If you have many more request)



Part No.	Active Area	Input Power			
		-70~+6dBm	-60~+16dBm	-50~+26dBm	-40~+36dBm
GTA2003 series	Φ 300	GTA2003	GTA20039	GTA20038	GTA20037
GTA2002 series	Φ 1000	GTA2002	GTA20029	GTA20028	GTA20027
GTA2001 series	Φ 2000	GTA2001	GTA20019	GTA20018	GTA20017
and so on ..... Please let us know your request details before order .					
For example	GTA200391	InGaAs Photodetector Φ 300 ,-60~+16dBm, FC(2) connector.			
	GTA200186	InGaAs Photodetector Φ 2000 ,-50~+26dBm, G2 connector.			
and so on ..... Please let us know your request details before order .					

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

