

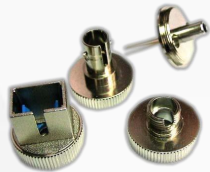
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InGaAs Photodetector Module

Features

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

Application

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



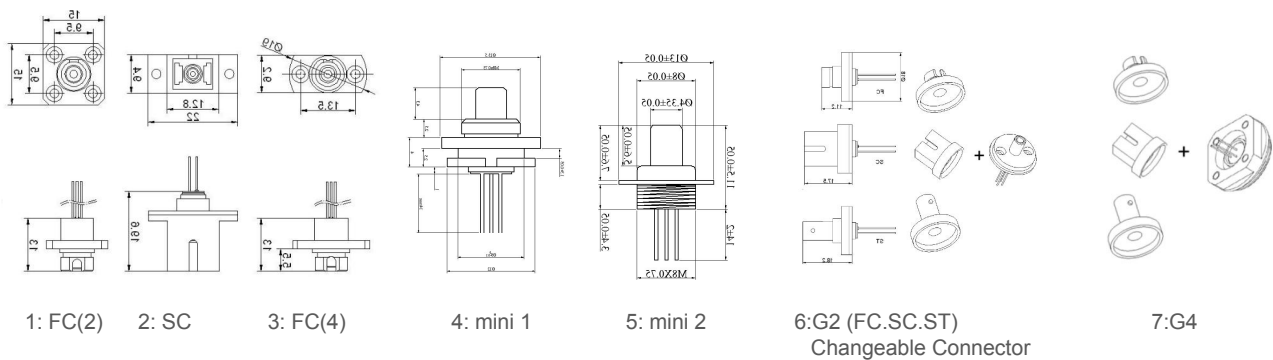
1 Absolution Maximun Ratings (Tc=25℃.unless otherwise specified)

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℃)

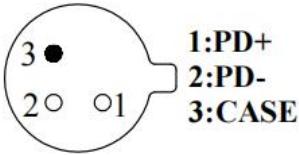
Parameters	Symbol	Min.	Typ.	Max.	Unit	Test Condition	
Wavelength Range	λ	800	-	1700	nm	-	
Active Area	Φ	-	300	-	μm	-	
			1000				
			2000				
Saturated Optical Power	P_s	10	-	-	dBm	$V_R=0\text{V}$	
Dark Current	I_d	-	-	5	nA	$V_R=5\text{V}$	
Responsibility	Res	0.85 @ 1310nm			A / W	$\varphi_e=100\mu\text{W}, \lambda=1310\text{nm}$	
		0.90 @ 1550nm				$\varphi_e=100\mu\text{W}, \lambda=1550\text{nm}$	
Capacitance	C_t	-	-	10	pF	$V_R=5\text{V},$ $f=1\text{ MHz}$	@ $\Phi 300$
				150	pF		@ $\Phi 1000$
				500	pF		@ $\Phi 2000$
Input Power Range	P	-70	-	6	dBm	$V_R=5\text{V}, R_L=50\Omega$	
		-60	-	+16			
		-50	-	+26			
		-40	-	+36			
Reverse Breakdown	V_{BR}	35	-	-	v	$I_d=10\mu\text{A}, \varphi_e=0$	

3 Dimensions(mm)



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InGaAs Photodetector Module

3
 Pin Assignment



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

