

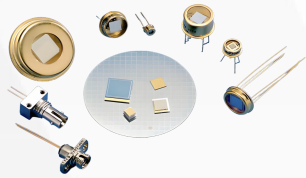
InGaAs Photodetector Module (TO-CAN)

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°C.unless otherwise specified)

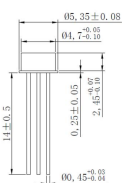
Parameters	Symbol	Min.	Max.	Unit	Test Condition
Forward Current	I_{FP}	-	10	mA	CW,25 °C
Reverse Bias	V_{RL}	-	20	V	CW,25 °C
Operating Temperature	T_{op}	-20	+70	°C	-
Storage Temperature	T_{stg}	-40	+100	°C	-
Soldering Temperature/Time	-	260/10		°C/S	-

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

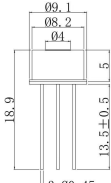
Parameters	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Wavelength Range	λ	800	-	1700	nm	-
Active Area	Φ	-	300 1000 2000 3000 5000	-	μm	-
Saturated Optical Power	P_s	10	-	-	dBm	$V_R = 0V$
Dark Current	I_d	-	-	5	nA	$V_R = 5V$
Responsibility	Res	0.85 @ 1310nm 0.90 @ 1550nm			A / W	$\varphi e=100\mu\text{W}, \lambda=1310\text{nm}$ $\varphi e=100\mu\text{W}, \lambda=1550\text{nm}$
Capacitance	C_t	-	-	10 150 500 600 800	pF	$V_R=5V, f=1\text{MHz}$ @ $\Phi 300$ @ $\Phi 1000$ @ $\Phi 2000$ @ $\Phi 3000$ @ $\Phi 5000$
Input Power Range	P	-70 -60 -50 -40	-	6 +16 +26 +36	dBm	$V_R=5V, R_L = 50\Omega$
Reverse Breakdown	V_{BR}	35	-	-	v	$I_d=10\mu\text{A}, \varphi e=0$

3 Dimensions(mm)

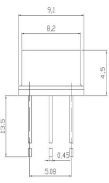
Pin Assignment



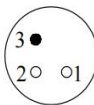
Φ300 Φ 1000



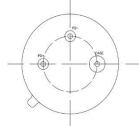
Φ2000 Φ3000



Φ5000



Φ300 Φ 1000



Φ2000 Φ3000 Φ5000



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InGaAs Photodetector Module (TO-CAN)

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Order Information

InGaAs Photodetector Module (TO-CAN)

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



Part No.	Active Area	Input Power			
		-70~+6dBm	-60~+16dBm	-50~+26dBm	-40~+26dBm
GTA2008 series	Φ 300	GTA2008	GTA20089	GTA20088	GTA20087
GTA2007 series	Φ 1000	GTA2007	GTA20079	GTA20078	GTA20077
GTA2006 series	Φ 2000	GTA2006	GTA20069	GTA20068	GTA20067
GTA2012 series	Φ 3000	GTA2012	GTA20129	GTA20128	GTA20127
GTA2009 series	Φ 5000	GTA2009	GTA20099	GTA20098	GTA20097
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

