

InGaAs 5mm Photodiode TO-CAN

1. Features:

- High responsibility and high reliability;
- Low capacitance;
- Low dark current;
- TO5 Flat window hermetic package.

2. Applications:

- Optical fiber communication instrument;
- Optical power measurement/monitoring.



3. Absolute Maximum Ratings(TC=25 °C)

Parameter	Symbol	Ratings	Unit
Reverse voltage	VRmax	5	V
Operating case temperature	TOP	-40 to +85	°C
Storage temperature	TST	-55 to +120	°C

4. Electro-Optical Characteristics(TC=25 °C):

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Active area	φ	-	-	5	-	mm
Wavelength	ID	-	900	-	1650	nm
Responsibility	R	VR= 0V, 1310nm	0.85	0.9	-	A/W
		VR= 0V, 1550nm	-	0.95	-	
Operating voltage	C	VR= -5V	-	-	-5	V
Dark current	Id	VR= -5V	-	2	10	nA
Capacitance	C	VR = -5V, f= 1MHz	-	160	230	pF
		VR = 0V, f= 1MHz	-	400	600	

5. Outline Drawings& PIN-Definition:

