

InGaAs 3mm 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	V_{Rmax}	20	V
Operating case temperature	T_{OP}	-40 to +85	°C
Storage temperature	T_{ST}	-55 to +120	°C

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

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Active area	ϕ	-	-	3	-	mm
Wavelength	λ_D	-	900	-	1650	nm
Responsibility	R	$V_R = 0V, 1310nm$	0.85	0.9	-	A/W
		$V_R = 0V, 1550nm$	-	0.95	-	
Operating voltage	C	$V_R = -5V$	-	-	-5	V
Dark current	I_d	$V_R = -5V$	-	2	10	nA
Capacitance	C	$V_R = -5V, f = 1MHz$	-	160	230	pF
		$V_R = 0V, f = 1MHz$	-	400	600	

5. Outline Drawings& PIN-Definition:

