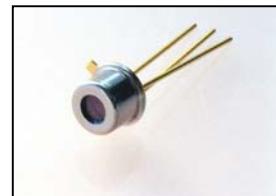




PT511-2

TECHNICAL DATA



TO-Can PIN Photodiode

PT511-2 is an InGaAs pin structure based photodiode on InP by MOCVD method and planar diffusing technology. The sensitive area is Ø 300µm respectively. TO-46 package with flat glass lens.



Absolute Maximum Ratings

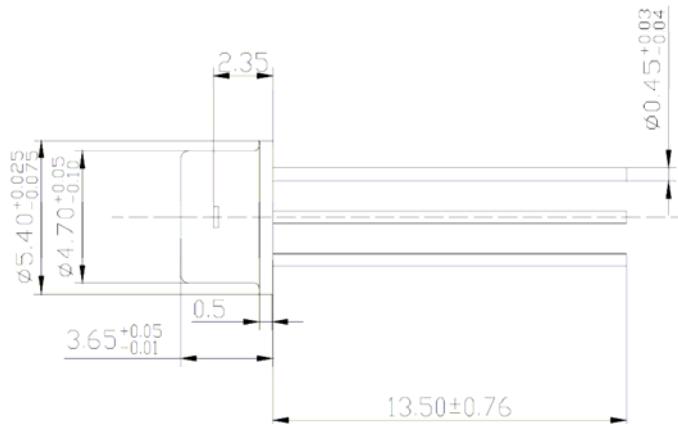
Item	Symbol	Value	Unit
Reverse Voltage	U_R	30	V
Reverse current	I_R	1000	μA
Forward current	I_F	5	mA
Power Dissipation	P_D	100	mW
Operating Temperature	T_{opr}	-40 ... +85	°C
Storage Temperature	T_{stg}	-40 ... +125	°C
Soldering Temperature *	T_{sol}	260	°C

* must be completed within 10 seconds

Specifications

Item	Value	Unit
Wavelength Range	850 .. 1650	nm
Sensitive Area	Ø 300	µm
Unsaturated Power	10	dBm
Responsivity	$\lambda=1300$ nm	A/W
Capacitance (-5 V)	2	pF
Dark Current (-5 V)	≤ 1	nA
Rise/Fall time	3	ns
Saturation Power	>10	dB

Drawing (mm)



Bottom View

