

InGaAs PIN Module

Features

Active diameter 75um

Small dark current

High reliability

Applications

Fiberoptics telecommunication networks

Digital receivers

Optical interconnects

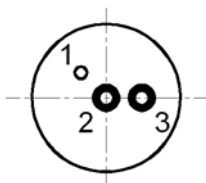
Test and measurement

Datacom

LAN



PIN assignment



pin	Function
1(case)	GND
2	N
3	P

This device is susceptible to damage as a result of electrostatic discharge (ESD). A static free environment is highly recommended. Follow guidelines according to proper ESD procedures



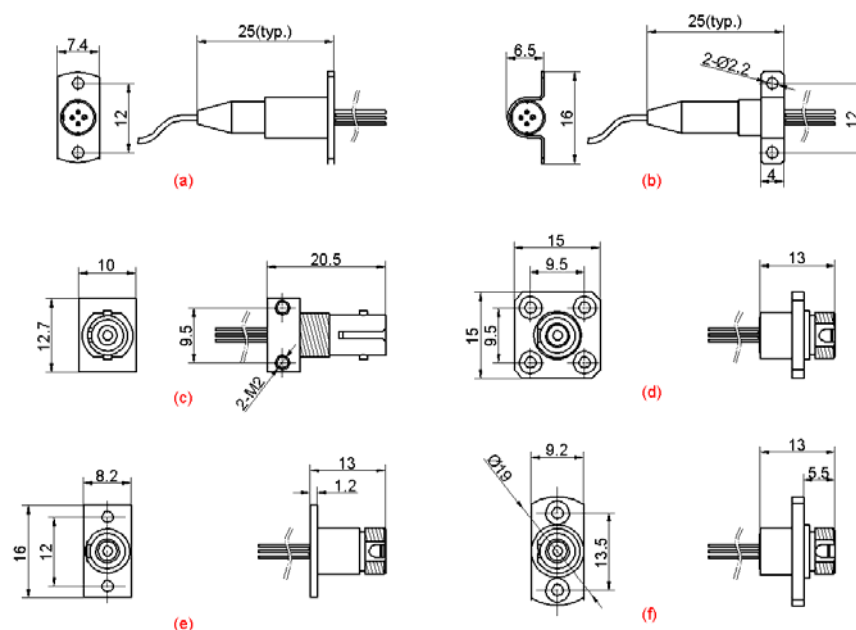
Absolute maximum ratings

Parameter	Symbol	Value	Unit
Storage temperature	T _{st}	-40~+85	°C
Operating temperature	T _{op}	-40~+85	°C
Reverse voltage	V _R	30	V
Soldering temperature/time	—	260/10	°C/ s

Optical & electrical characteristics(T=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test condition
Detection range	λ	1100	-	1650	nm	-
Dark current	I _d	-	0.1	1	nA	V _R =5V
Quantum efficiency	R	0.80	0.85	-	A/W	V _R =5V, λ =1310 nm
Band width	BW	-	1.5	-	GHz	R _L =50Ω/-3dB
			2.5			
Capacitance	C _t	-	-	0.75	pF	V _R =5V

Dimensions Diagram



Order information

SPD1	X	X
	Band width	Package
	1:1.25G	1, (a)
	2:2.5G	2, (b)
		3, (c)
		4, (d)
		5, (e)
		6, (f)
		S,spec.

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