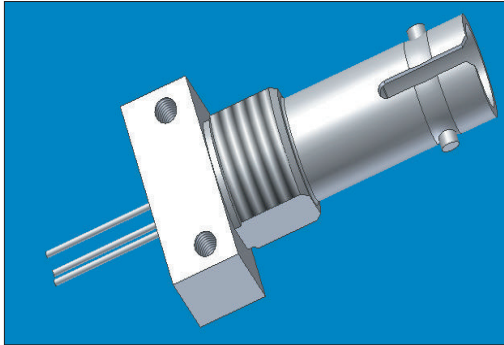


PDR-C3-AXSTAN-XX

**Features**

- InGaAs/InP PIN Photodiode
- High responsivity at 1310nm and 1550nm
- Low dark current
- Fast pulse response
- -40 to +85°C operating temperature
- Hermetically sealed 3-pin metal case
- ST receptacle package
- For Single Mode and Multi Mode use
- RoHS Compliant available

Absolute Maximum Ratings (Tc=25°C)

Parameter	Symbol	Rating	Unit
Supply Reverse voltage	V_R	20	V
Forward Current	I_F	2	mA
Reverse Current	I_R	1	mA
Operating Temperature	T_{opr}	-40 ~ 85	°C
Storage Temperature	T_{stg}	-40 ~ 85	°C

(All optical data refer to a coupled 9/125 μ m S/M & 50/125 μ m M/M & 62.5/125 μ m M/M fiber)

Optical and Electrical Characteristics (Tc=25°C)

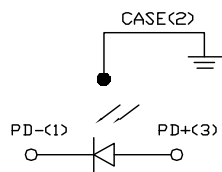
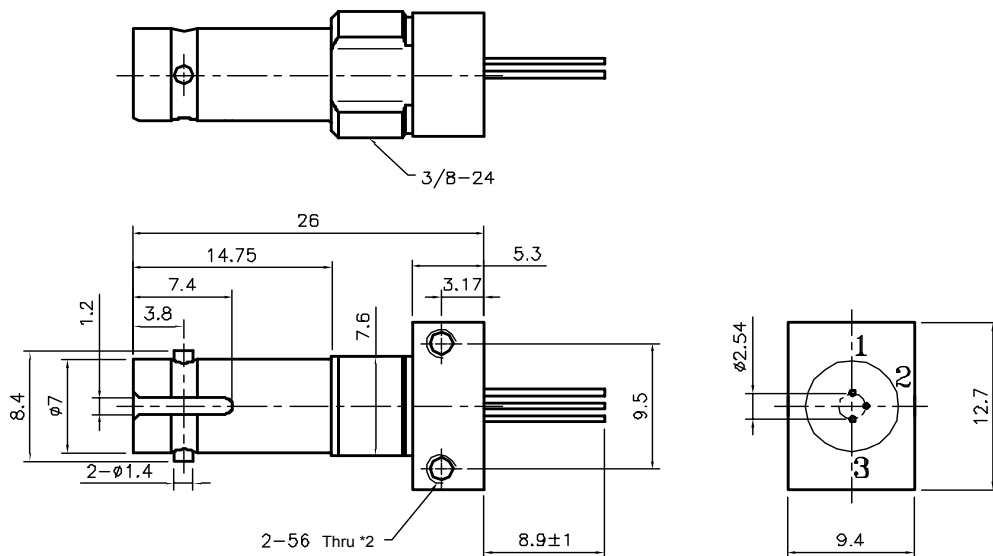
Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions
Active Area (Dia)		-	75	-	μ m	-
Detection Range		1100	1310	1650	nm	-
Responsivity	R	0.8	0.85	-	A/W	$V_R = 5V, \lambda = 1310nm$
Dark Current	I_{dark}	-	0.4	0.8	nA	$V_R = 5V$
Capacitance	C_t	-	1.2	-	pF	$V_R = 5V$
Rise/Fall Time	t_r/t_f	-	-	0.3	ns	$V_R = 5V, 10\% \sim 90\%$
Bandwidth	BW	2	-	-	GHz	$V_R = 5V$

**Note: 1.Pin assignment can be customized.
2.Specifications subject to change without notice.**

PDR-C3-AXSTAN-XX

PD Pin Assignment

Receptacle Package Style : ST – A Type



PDR-C3-AXSTAN-XX

Ordering Information

PDR-C3-AXSTAN-XX

Family
PDR=PD Receptacle

Active Area
3=75um

Package
S=9/125um
M=50/125um
N=62.5/125um

Package Option
A=ST-A

Application
C=CW

Pinout
A=3pin A-type

Connector
ST

Stub
N=None

RoHS Compliant
-/G5/GR

Blank = RoHS non-compliant product
G5 = RoHS 5/6-compliant product (lead exemption)
GR = Full RoHS compliant product (no exemption)

Warnings

Handling Precautions: 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.

Laser Safety: Radiation emitted by laser devices can be dangerous to human eyes. Avoid eye exposure to direct or indirect radiation.

Legal Notice

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