

R-11-300-X-XXX-XX



Features

- InGaAs/InP PIN Photodiode
- High responsivity at 1310nm and 1550nm
- Low dark current
- Fast pulse response
- -40~85°C operating temperature
- Hermetically sealed 3-pin metal case

Packaging

- FC/ST/SC receptacle package
- SM/MM fiber pigtailed with optional FC/ST/SC connector
- RoHS compliant available

Absolute Maximum Ratings (Tc=25°C)

Parameter	Symbol	Value	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 9/125μm SM & 50/125μm MM fiber)

Optical and Electrical Characteristics (Tc=25°C)

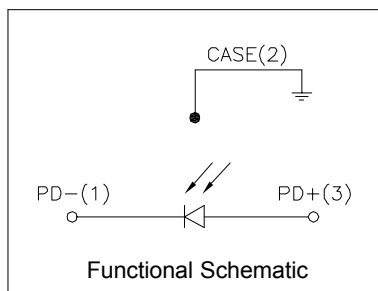
Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions
Active Area (Dia)		-	300	-	μm	-
Detection Range		1100	1310	1650	nm	-
Responsivity	R	0.8	0.85	-	A/W	$V_R=5V, \lambda = 1310nm$
Dark Current	I_{dark}	-	2	5	nA	$V_R=5V$
Capacitance	C	-	6	10	pF	$V_R=5V$
Rise / Fall Time	T_r / T_f	-	1	-	ns	$V_R=5V, 10\% \sim 90\%$
Bandwidth	BW	0.5	-	-	GHz	$V_R=5V$

Note: 1.Pin assignment can be customized.

2.Specifications subject to change without notice.

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Pin Assignment



Pin Assignment

1~PD(-)

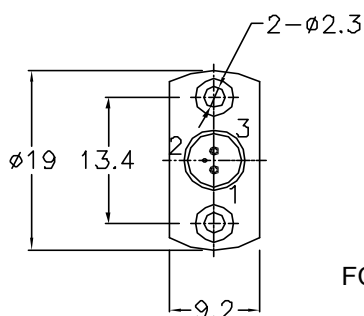
2~CASE

3~PD(+)

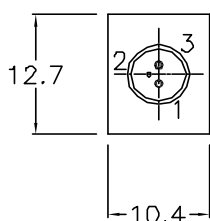
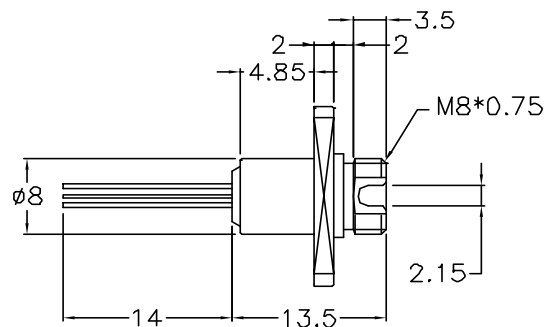
Packaging Dimension

Units in mm.

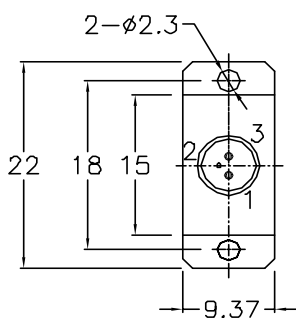
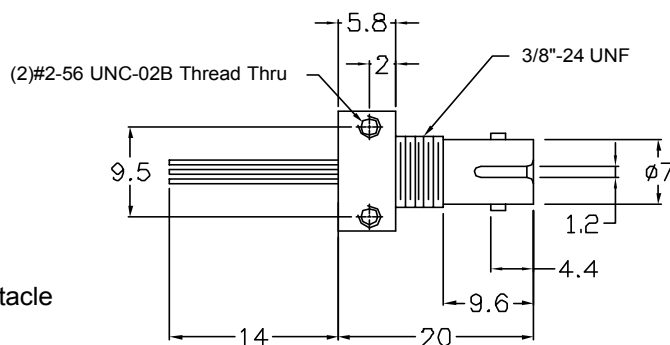
PIN-TIA Receiver Module-receptacle
Part Number: R-11-300-R-SXX-XX



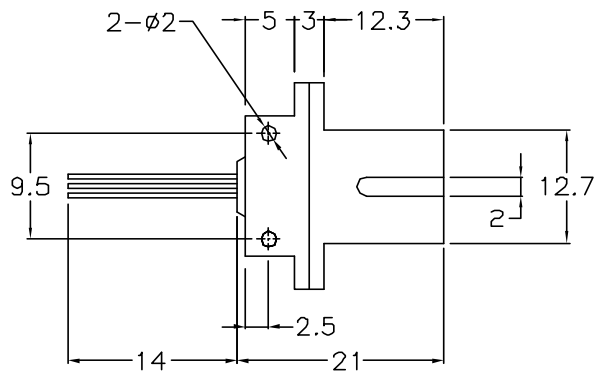
FC Receptacle



ST Receptacle



SC Receptacle



Packaging Dimension

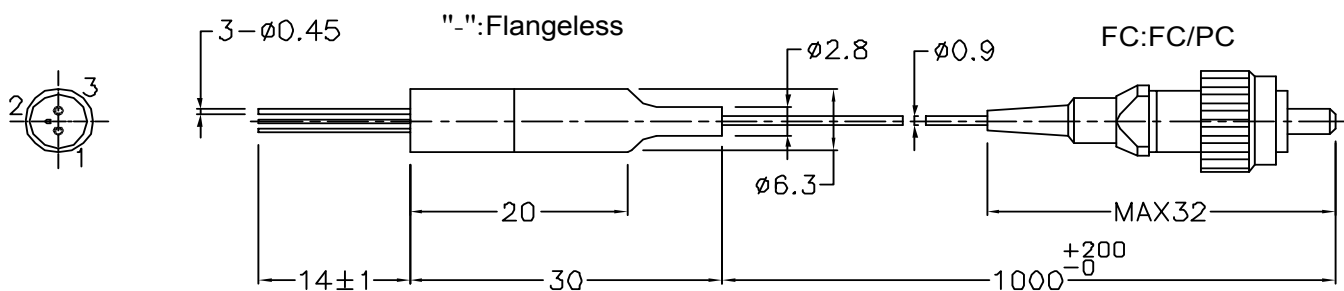
Units in mm.

PIN-TIA Receiver Module-pigtail

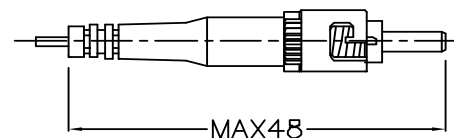
Part Number: R-11-300-P-XXX-XX

Flange Type

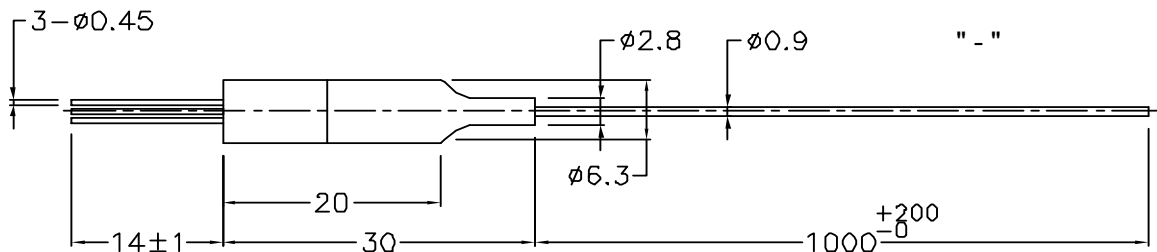
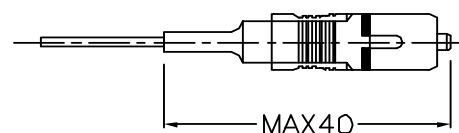
Connector Type



ST:ST/PC



SC:SC/PC



R-11-300-X-XXX-XX

Ordering Information

R-11-300-X-XXX-XX

Package

P=Pigtail

R=Receptacle

Connector

FC/ST/SC/-

Fiber Application

S = SM 9/125 μ mM = MM 50/125 μ m

RoHS Compliant

Blank/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.

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