

R-11-055-X-XXX-X-XX



Features

- InGaAs/InP PIN Photodiode
- Sensitive receiver 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 packaged
- SM/MM fiber pigtailed with optional FC/ST/SC connector

Application

- 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 fiber, 50/125μm MM fiber and 62.5/125μm MM fiber)

Optical and Electrical Characteristics (Tc=25°C)

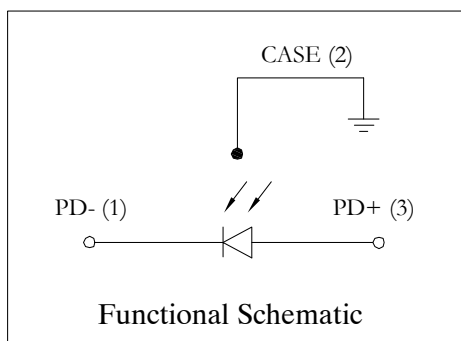
Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions
Active Area (Dia)		-	55	-	μm	-
Detection Range		1100	1310	1650	nm	-
Responsivity	R	0.8	0.85	-	A/W	$V_R=5V, \lambda=1310nm$
Dark Current	I_{dark}	-	-	0.7	nA	$V_R=5V$
Capacitance	C	-	-	0.7	pF	$V_R=5V$
Rise / Fall Time	T_r / T_f	-	-	0.3	ns	$V_R=5V, 10\% \sim 90\%$
Bandwidth	BW	3	-	-	GHz	$V_R=5V$

Note: 1.Pin assignment can be customized.

2.Specifications subject to change without notice.

R-11-055-X-XXX-X-XX

Pin Assignment



Pin Assignment

1~PD (-)

2~CASE

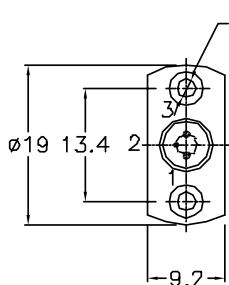
3~PD (+)

Packaging Dimension

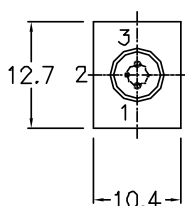
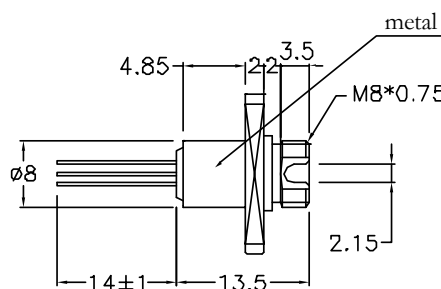
Units in mm.

PIN TIA Receiver Module-Receptacle

Part Number : R-11-055-R-SXX-XX

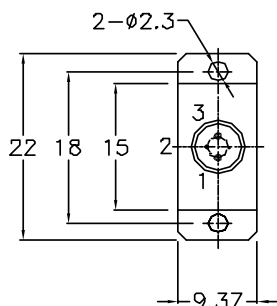
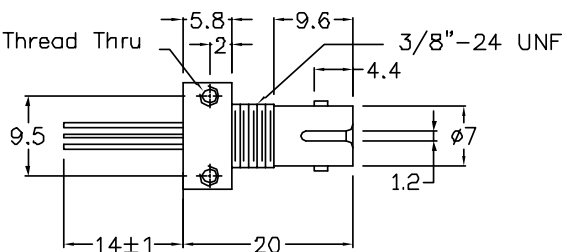


FC Receptacle
R-11-055-R-SFC-XX

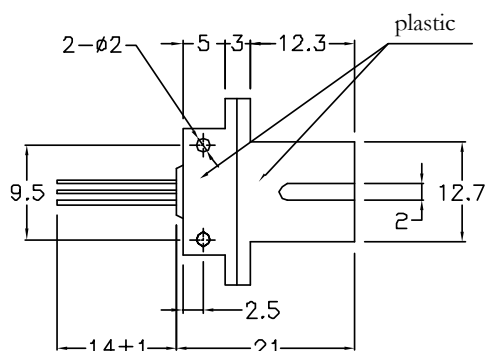


ST Receptacle
R-11-055-R-SST-XX

(2)#2-56 UNC-02B Thread Thru



SC Receptacle
R-11-055-R-SSC-XX



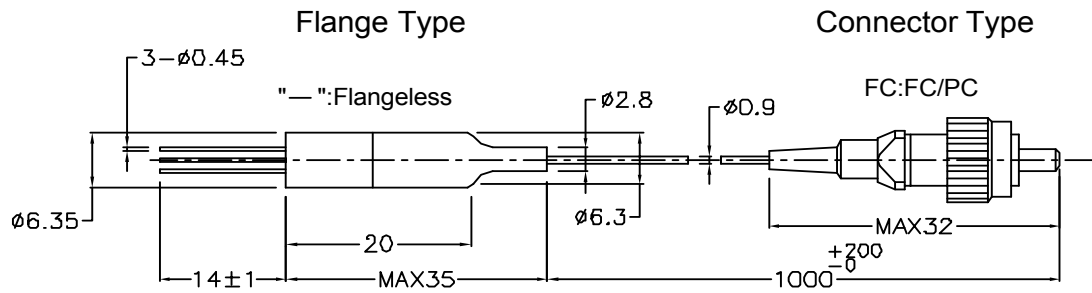
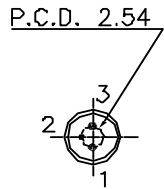
R-11-055-X-XXX-X-XX

Packaging Dimension

Units in mm.

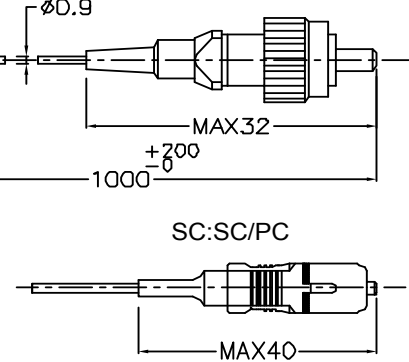
PIN TIA Receiver Module-Pigtail

Part Number : R-11-055-P-XXX-X-XX

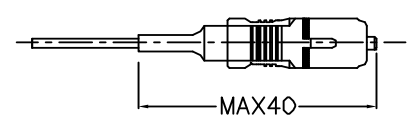


Connector Type

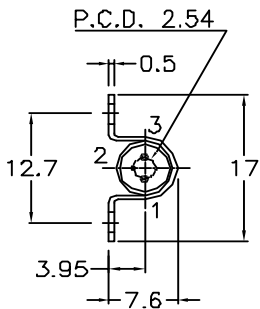
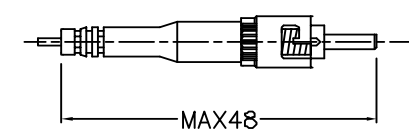
FC:FC/PC



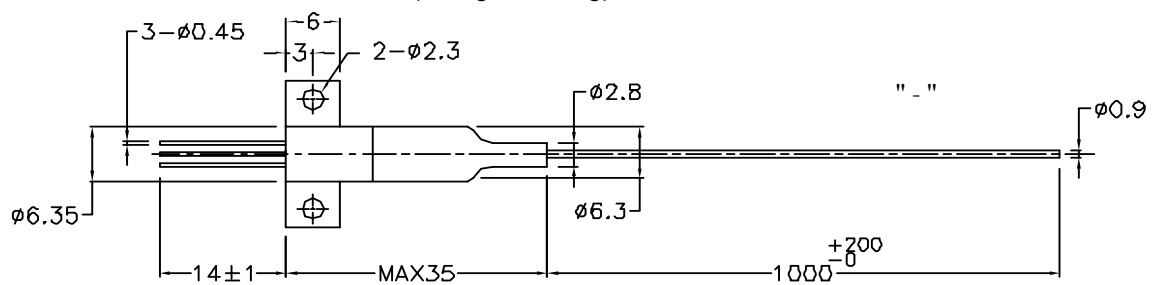
SC:SC/PC



ST:ST/PC



"O":Horizontal (Omega Housing)



Ordering Information

R-11-075-X-XXX-X-XX

Package

R=Receptacle
P=Pigtail

Connector

FC/ST/SC/Blank

Flange

"Blank" : without flange
"O" : O Type flange

Fiber Application

S= 9/125 μ m
M= 50/125 μ m
N= 62.5/125 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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