

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 (T<sub>c</sub>=25°C)**

Parameter	Symbol	Value	Unit
Supply Reverse Voltage	V <sub>R</sub>	20	V
Forward Current	I <sub>F</sub>	2	mA
Reverse Current	I <sub>R</sub>	1	mA
Operating Temperature	T <sub>opr</sub>	-40 ~ 85	°C
Storage Temperature	T <sub>stg</sub>	-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 (T<sub>c</sub>=25°C)**

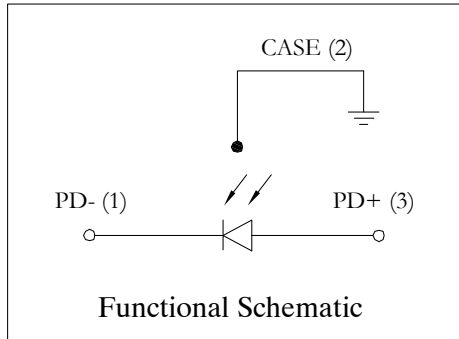
Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions
Active Area (Dia)		-	55	-	µm	-
Detection Range		1100	1310	1650	nm	-
Responsivity	R	0.8	0.85	-	A/W	V <sub>R</sub> =5V, λ=1310nm
Dark Current	I <sub>dark</sub>	-	-	0.7	nA	V <sub>R</sub> =5V
Capacitance	C	-	-	0.7	pF	V <sub>R</sub> =5V
Rise / Fall Time	T <sub>r</sub> / T <sub>f</sub>	-	-	0.3	ns	V <sub>R</sub> =5V, 10%~90%
Bandwidth	BW	3	-	-	GHz	V <sub>R</sub> =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**

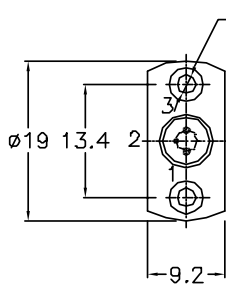
1~PD (-)  
 2~CASE  
 3~PD (+)

Packaging Dimension

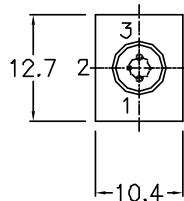
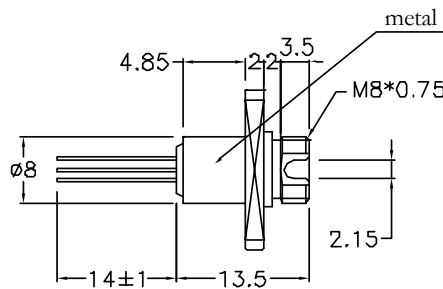
Units in mm.

**PIN TIA Receiver Module-Receptacle**

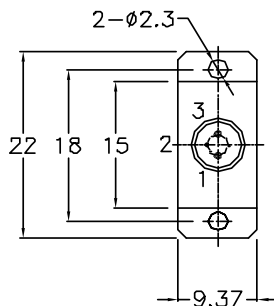
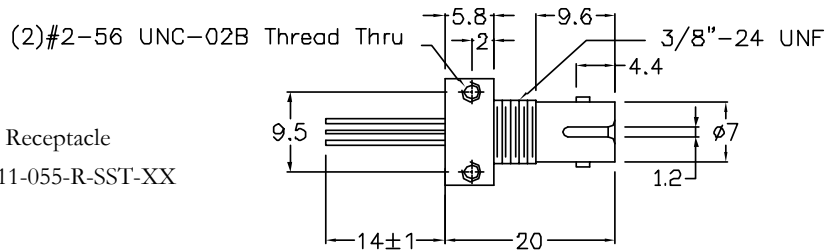
Part Number : R-11-055-R-SXX-XX



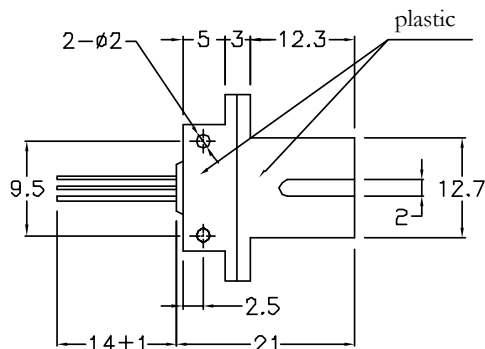
FC Receptacle  
 R-11-055-R-SFC-XX



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



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

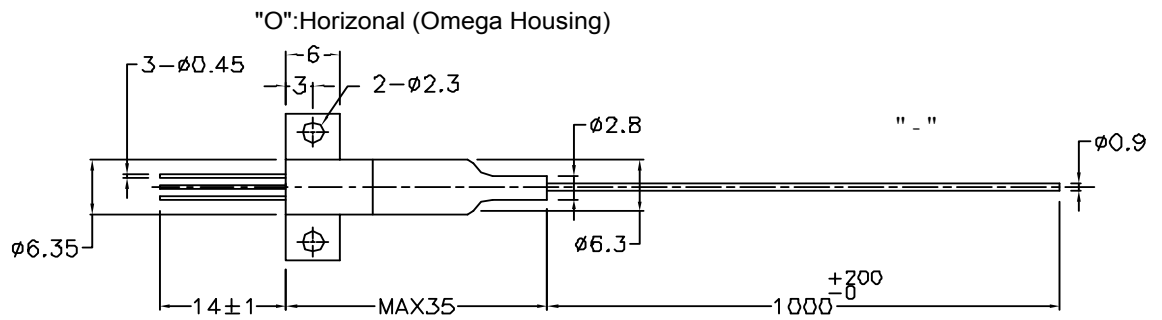
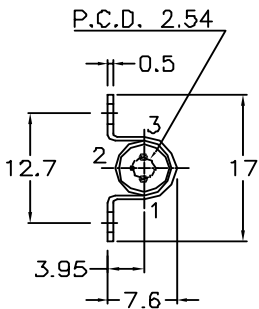
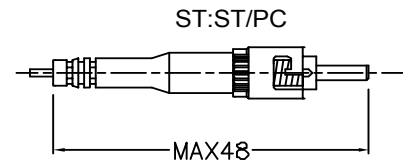
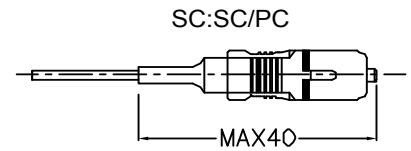
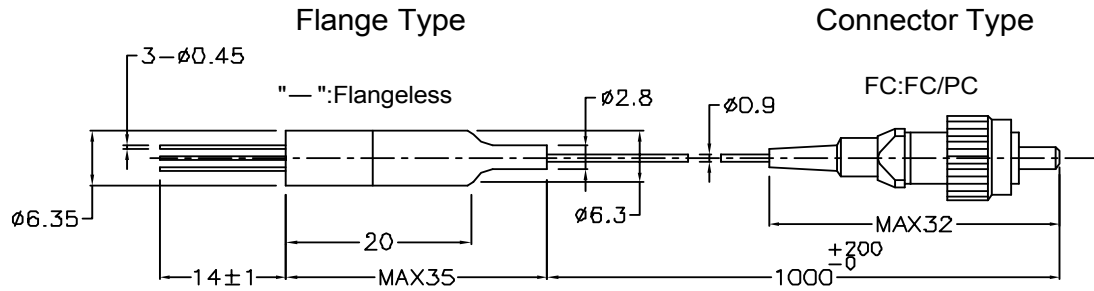
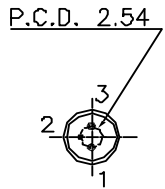


Packaging Dimension

Units in mm.

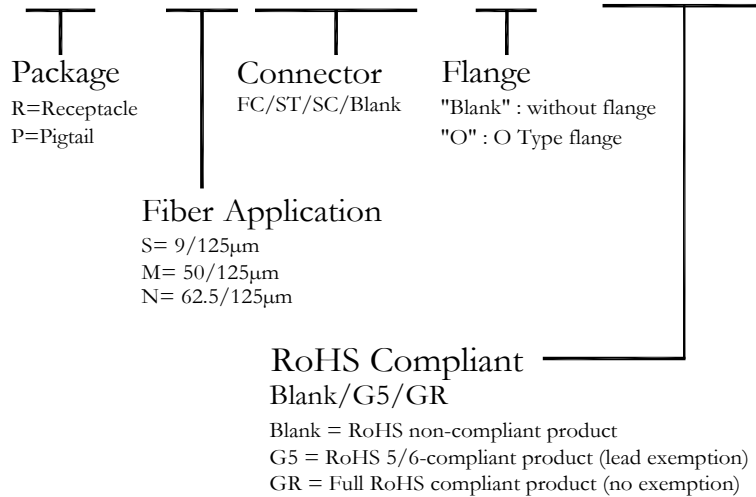
**PIN TIA Receiver Module-Pigtail**

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



Ordering Information

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



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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