

**Features**

- InGaAs/InP PIN Photodiode with transimpedance amplifier
- Differential ended output
- Single +5V operation
- -40~85°C operating temperature
- RoHS Compliant available

Packaging

- FC/ST/SC receptacle package
- SM(9/125)/MM(50/125) fiber pigtailed with optional FC/ST/SC/MU connector

Application

- 155Mbps FDDI/Fast ethernet/ATM receivers

Absolute Maximum Ratings (Tc=25°C)

Parameter	Symbol	Value	Unit
Supply Voltage	V _{CC}	6	V
Operating Temperature	T _{opr}	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +85	°C

DC Electrical Characteristics (Tc=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Power Supply	V _{CC}	4.5	5	5.5	V
Differential Output offset Voltage	V _d	-	1	-	V
Supply Current (no load)	I _{cc}	-	-	30	mA

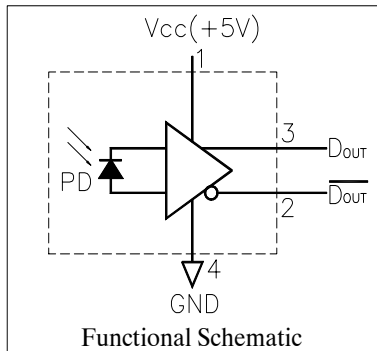
(Operating at V_{CC}=5V, Tc=25°C, R_L=3000Ω, λ=1310nm, 9/125μm SM fiber)

AC/Optical and Electrical Characteristics (Tc=25°C)

Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions
Detection Range	λ	1100	1310	1650	nm	-
Gain@10Mbps Differential	G	15	18	22	V/mW	λ=1310nm
Bandwidth	BW	120	150	-	MHz	-
Saturation Power	P _{sat}	-	-11	-	dBm	λ=1310nm
Sensitivity	Sens.	-	-33	-31	dBm	BER=10 ⁻¹⁰ @155Mbps
Output Resistance	R _{out}	-	50	65	ohm	-

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

Pin Assignment



Pin Assignment

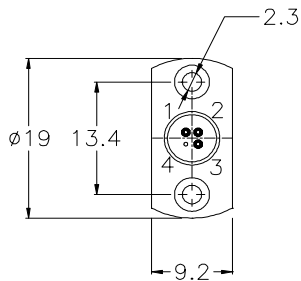
- 1~Vcc
- 2~ $\overline{Dout}$
- 3~Dout
- 4~GND(CASE)

Packaging Dimension

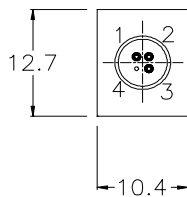
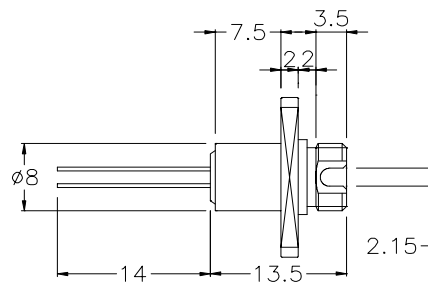
Units in mm.

PIN TIA Receiver Module-Receptacle

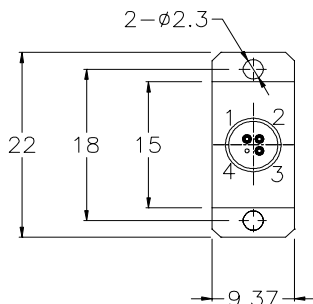
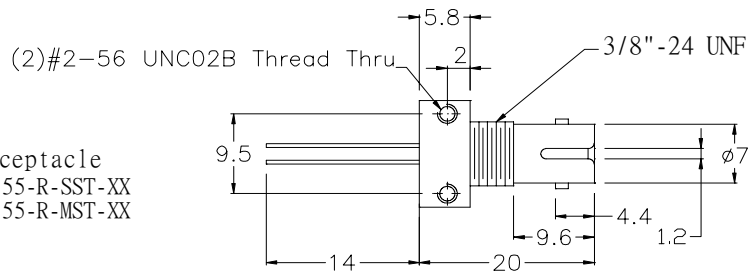
Part Number : T-11-155-X-XXX-XX



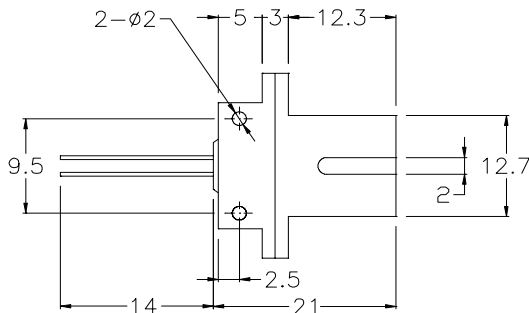
FC Receptacle
T-11-155-R-SFC-XX
T-11-155-R-MFC-XX



ST Receptacle
T-11-155-R-SST-XX
T-11-155-R-MST-XX



SC Receptacle
T-11-155-R-SSC-XX
T-11-155-R-MSC-XX

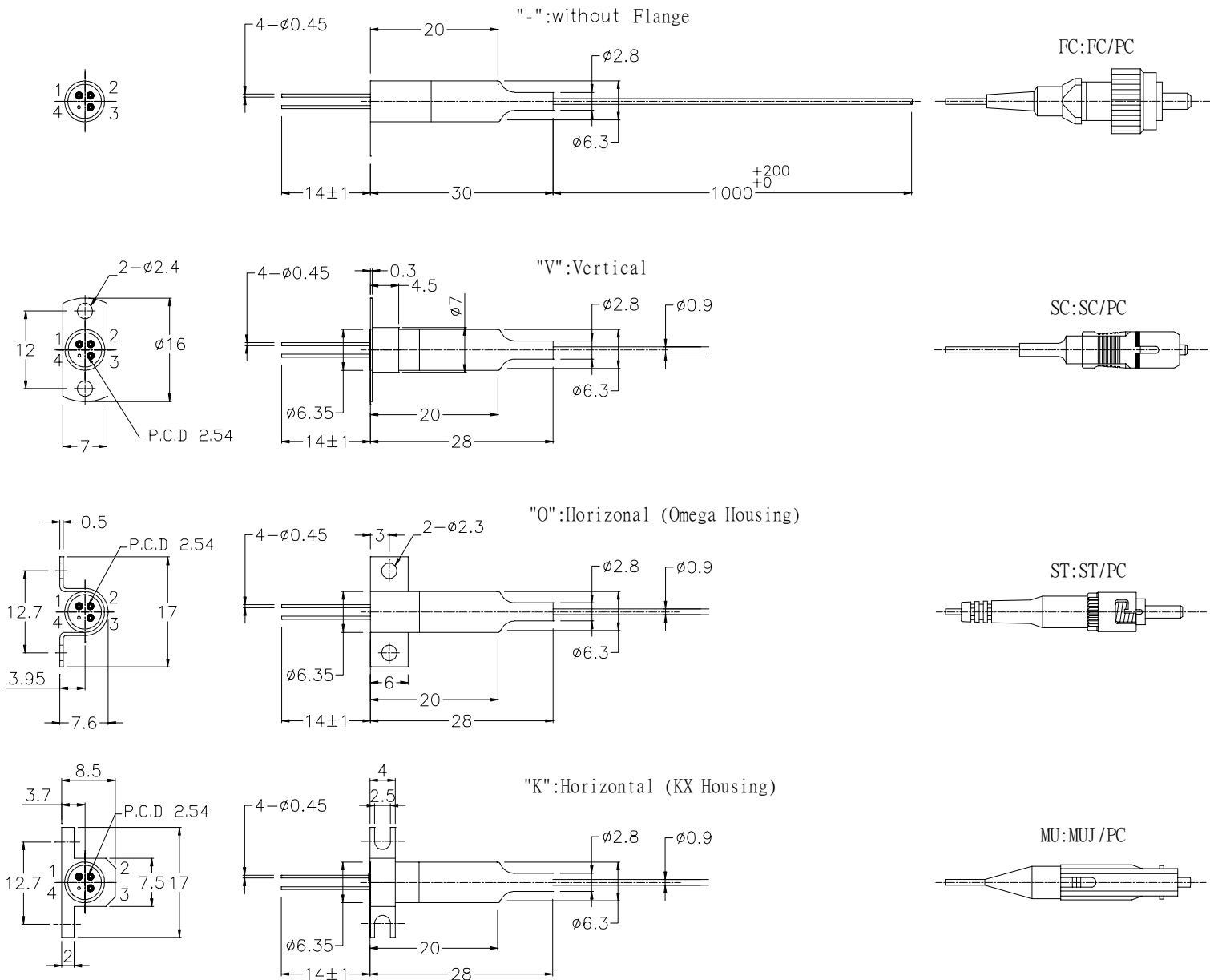


Packaging Dimension

Units in mm.

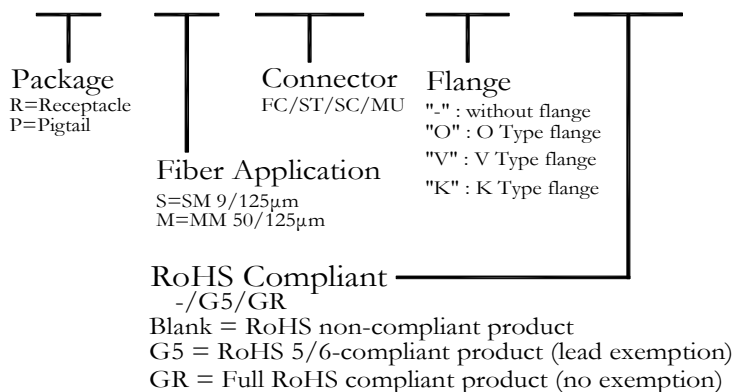
PIN TIA Receiver Module-Pigtail

Part Number : T-11-155-P-XXX-X-XX



Ordering Information

T-11-155-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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