

T-11-155-X3-XXX-AGC-XX



Features

- InGaAs/InP PIN Photodiode with transimpedance amplifier
- High sensitivity with AGC*
- Differential ended output
- Single +3.3V operation
- -40~85°C operating temperature

Packaging

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

Application

- 155Mbps SDH/SONET/ATM receivers
- RoHS Compliant available

Absolute Maximum Ratings (Tc=25°C)

Parameter	Symbol	Value	Unit
Supply Voltage	V_{CC}	4.5	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}	3.0	3.3	3.6	V
Differential Output Voltage	V_d	-	-	1	V
Supply Current (no load)	I_{cc}	-	-	35	mA

(Operating at $V_{CC}=3.3V$, $T_c=25^\circ C$, $R_L=3000\Omega$, $\lambda=1310nm$, 9/125 μm SM & 50/125 μm MM fiber)

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

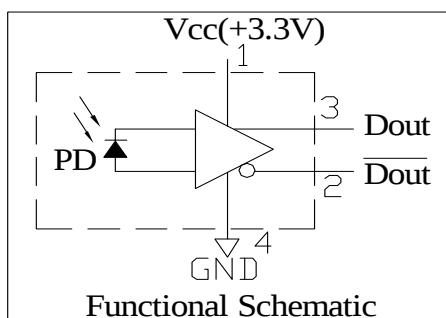
Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions
Detection Range		1100	1310	1650	nm	-
Gain@10Mbps Differential	G	52	-	70	V/mW	$\lambda=1310nm$
Bandwidth	BW	120	140	-	MHz	-
Saturation Power	P_{sat}	-3	0	-	dBm	$\lambda=1310nm$
Sensitivity	Sens.	-	-38	-35	dBm	BER= 10^{-10} @155Mbps
Output Resistance	R_{out}	-	50	65	ohm	-

Note: 1.Pin assignment can be customized.

2.Specifications subject to change without notice.

T-11-155-X3-XXX-AGC-XX

Pin Assignment



Pin assignment

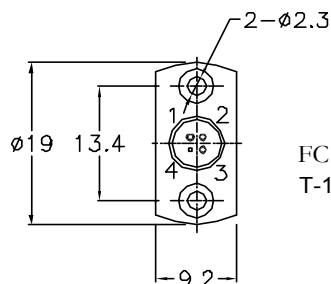
- 1~Vcc
- 2~ $\overline{\text{Dout}}$
- 3~Dout
- 4~GND(CASE)

Packaging Dimension

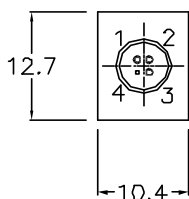
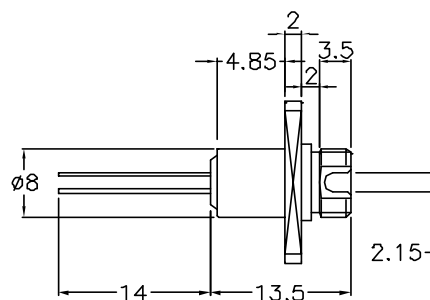
Units in mm.

PIN TIA Receiver Module-Receptacle

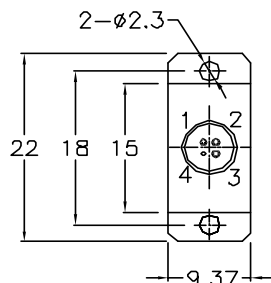
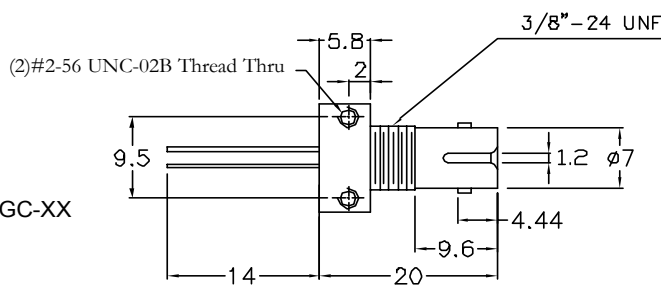
Part Number : T-11-155-R3-SXX-AGC-XX



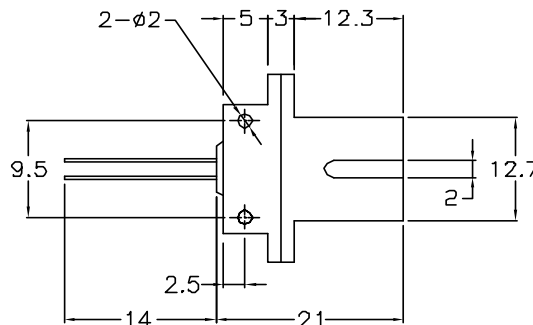
FC Receptacle
T-11-155-R3-SFC-AGC-XX



ST Receptacle
T-11-155-R3-SST-AGC-XX



SC Receptacle
T-11-155-R3-SSC-AGC-XX

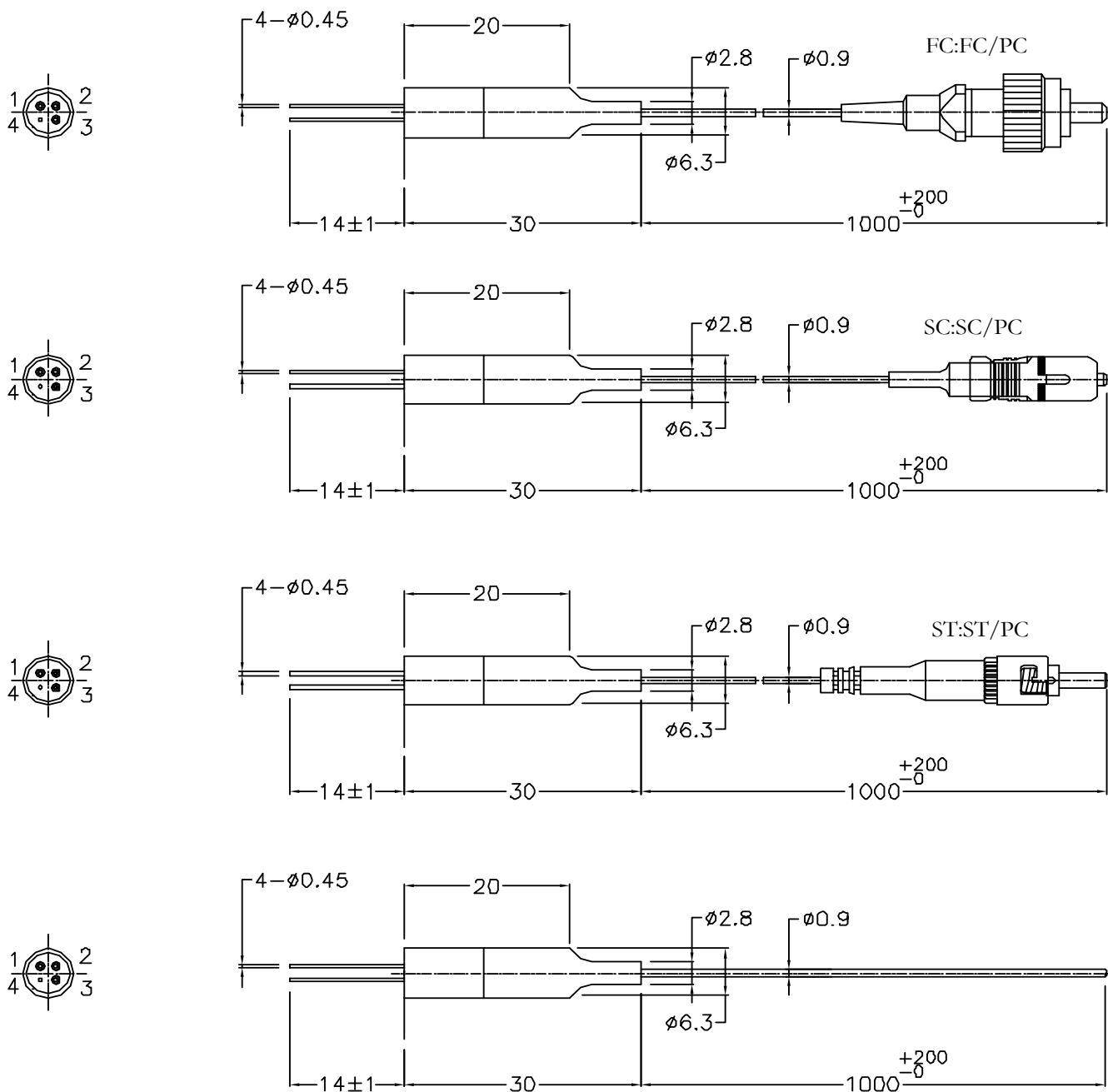


T-11-155-X3-XXX-AGC-XX

Packaging Dimension

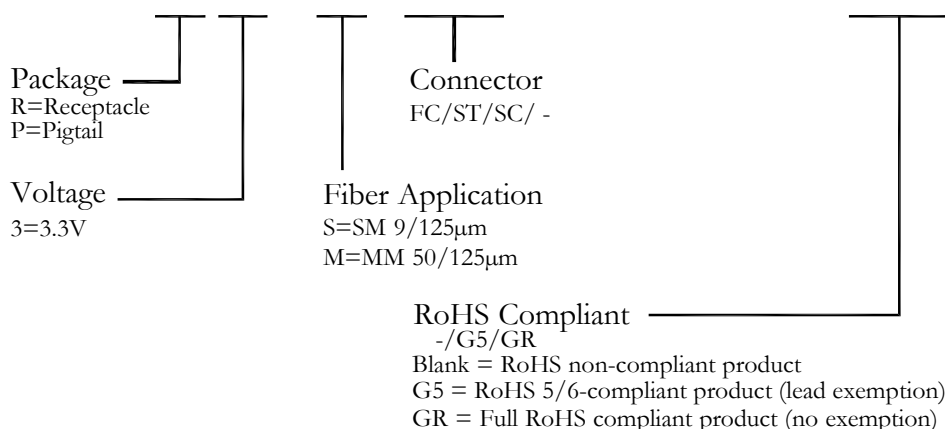
Units in mm.

PIN TIA Receiver Module-Pigtail Part Number : T-11-155-P3-XXX-AGC-XX



Ordering Information

T-11-155-X3-XXX-AGC-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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