

Features

- InGaAs/InP PIN Photodiode with transimpedance amplifier
- High sensitivity with AGC*
- Differential ended output
- Single +5V operation
- -40 ~85°C operating temperature

Packaging

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

Application

- ATM receiver/transceiver
- Fast ethernet receiver/transceiver



Note:

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

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

*AGC- Auto Gain Control

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 Voltage	V _d	-	1	-	V
Supply Current (no load)	I _{cc}	-	-	35	mA

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

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

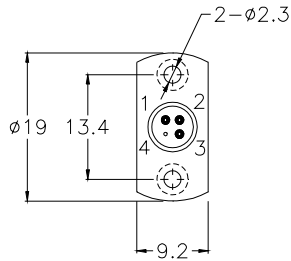
Parameter	Symbol	Min.	Typ.	Max	Unit	Test condition
Detection Range		1100	1310	1650	nm	-
Gain@10Mbps Differential	G	0.17	-	220	V/mW	λ=1310nm
Bandwidth	BW	120	140	-	MHz	
Saturation Power	Psat	-3	0	-	dBm	λ=1310nm
Sensitivity	Sens	-	-38	-35	dBm	BER=10 ⁻¹⁰ @155Mbps
Output Resistance	Rout	-	50	65	ohm	

Connector Options

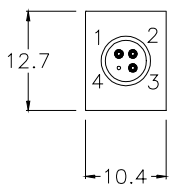
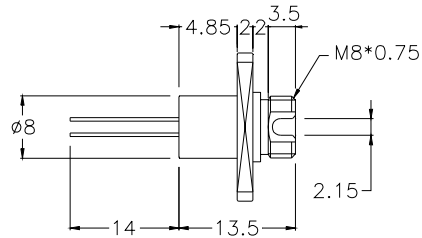
Model	Package	Fiber	Connector
T-11-155-R-SFC-AGC	Receptacle	-	FC
T-11-155-R-SST-AGC			ST
T-11-155-R-SSC-AGC			SC
T-11-155-P-SFC-AGC	Pigtailed	SM	FC
T-11-155-P-SST-AGC			ST
T-11-155-P-SSC-AGC			SC
T-11-155-P-S-AGC		(None)	
T-11-155-P-MFC-AGC	MM	MM	FC
T-11-155-P-MST-AGC			ST
T-11-155-P-MSC-AGC			SC
T-11-155-P-M-AGC			(None)

PIN-TIA Modules-receptacle

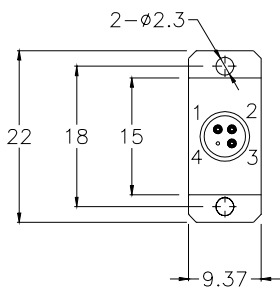
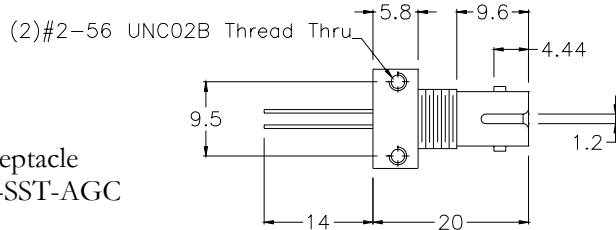
Units in mm.



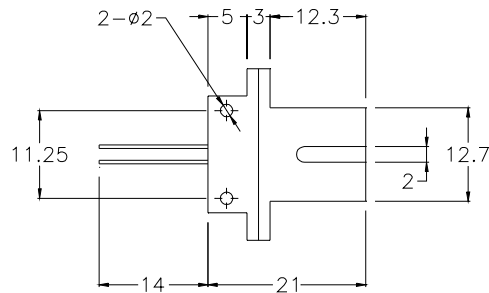
FC Receptacle
T-11-155-R-SFC-AGC



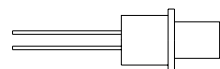
ST Receptacle
T-11-155-R-SST-AGC



SC Receptacle
T-11-155-R-SSC-AGC



Customer Specified



PIN-TIA Modules-pigtailed

Units in mm.

