

#### **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 packaged
- SM/MM fiber pitailed 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 <sub>CC</sub>	4.5	V					
Operating Temperature	T <sub>opr</sub>	-40 ~ 85	°C					
Storage Temperature	T <sub>stq</sub>	-40 ~ 85	°C					

DC Electrical Characteristics (Tc=25°C)							
Parameter	Symbol	Min.	Тур.	Max.	Unit		
Power Supply	V <sub>CC</sub>	3.0	3.3	3.6	V		
Differential Ouptput Voltage	V <sub>d</sub>	-	_	1	V		
Supply Current (no load)	l <sub>cc</sub>	-	-	35	mA		

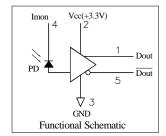
# (Operating at $V_{CC}$ =3.3V , Tc=25°C , $\lambda$ =1310nm , 9/125 $\mu$ m SM fiber, 50/125 $\mu$ m & 62.5/125 $\mu$ m MM fiber)

AC/Optical and Electrical Characteristics (Tc=25°C)							
Parameter	Symbol	Min	Тур	Max	Unit	Test Conditions	
Detection Range	-	1100	1310	1650	nm	-	
Gain@10Mbps Differential	G	52	-	70	V/mW	λ=1310nm	
Bandwidth (to -3dB point)	BW	120	140	-	MHz	-	
Saturation Power	P <sub>sat</sub>	-3	0	-	dBm	λ=1310nm	
Sensitivity	Sens	-	-38	-35	dBm	BER=10 <sup>-10</sup> @155Mbps	
Output Resistance	Rout	-	50	65	ohm	-	

Note: 1. Pin assignment can be customized.

2. Specifications subject to change without notice.

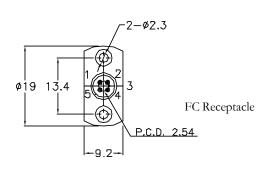
### Pin Assignment

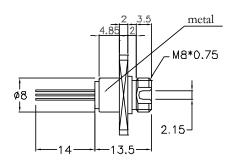


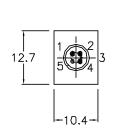
Pin Assignment 1~Dout 2~Vcc 3~GND(CASE) 4~Imon 5~Dout

**Packaging Dimension** 

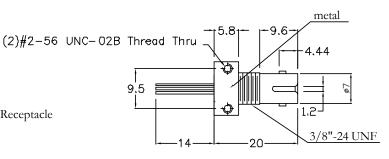
# Part Number: T-11-155M-R3-XXX-XX

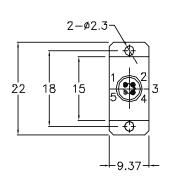




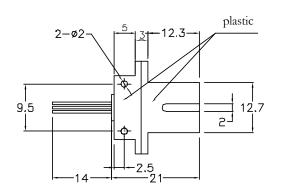


ST Receptacle





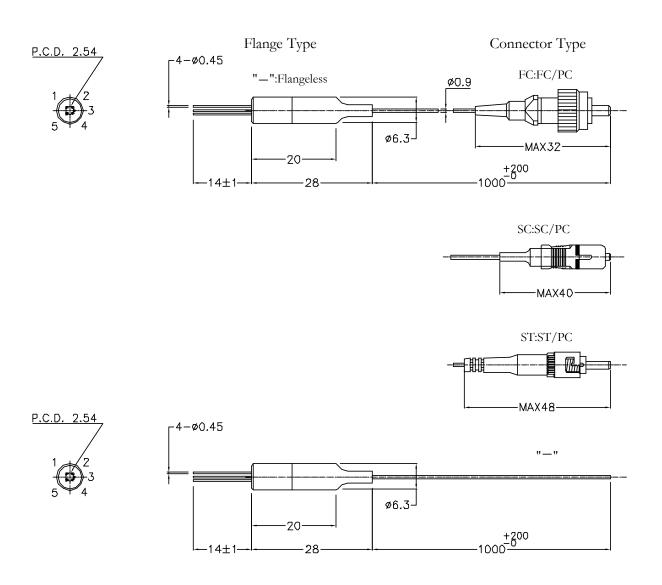
SC Receptacle



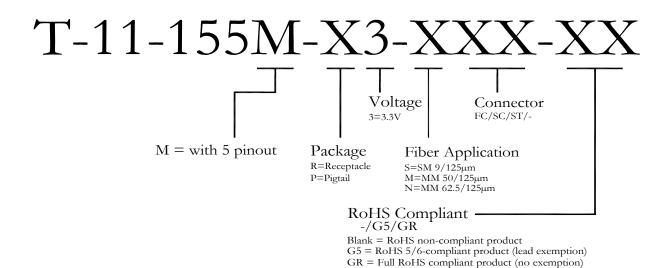
Packaging Dimension

Units in mm.

## Part Number: T-11-155M-P3-XXX-XX



#### **Ordering Information**



#### 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.

### **Legal Notice**

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