T-11-622-D-SXX-XX



Features

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

Packaging

• SC/LC/MU ROSA package

Application

- 622Mbps SONET/SDH receivers
- 622Mbps ATM receiver
- RoHS Compliant available

Absolute Maximum Ratings (Tc=25°C)									
Parameter	Symbol	Value	Unit						
Supply Voltage	V _{CC}	6.5	V						
Operating Temperature	T _{opr}	-40 ~ 85	°C						
Storage Temperature	T _{stg}	-40 ~ 85	°C						

DC Electrical Characteristics (Tc=25°C)								
Parameter	Symbol	Min.	Тур.	Max.	Unit			
Power Supply	V _{CC}	3.0	5.0	5.5	V			
Differential Ouptput Voltage	V _d		260	450	mV			
Supply Current (no load)	I _{cc}	-	21	30	mA			

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

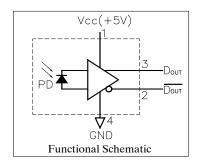
AC/Optical and Electrical Characteristics (Tc=25°C)								
Parameter	Symbol	Min	Тур	Max	Unit	Test Conditions		
Detection Range	-	1100	1310	1650	nm	-		
Gain@10Mbps Differential	G	6	7	-	V/mW	Measure differentially, AC coupled, RL=50 Ω		
Bandwidth (to -3dB point)	BW	404	470	-	MHz	-		
Saturation Power	P _{sat}	-7	-6	-	dBm	BER<10 ⁻¹⁰ @622Mbps, PRBS2 ²³ -1 Er=10dB		
Sensitivity	Sens.	-	-33	-30	dBm	BER<10 ⁻¹⁰ @622Mbps, PRBS2 ²³ -1 Er=10dB		
Output Resistance	Rout	48	50	52	ohm	-		

Note: 1.Pin assignment can be customized.

2. Specifications subject to change without notice.

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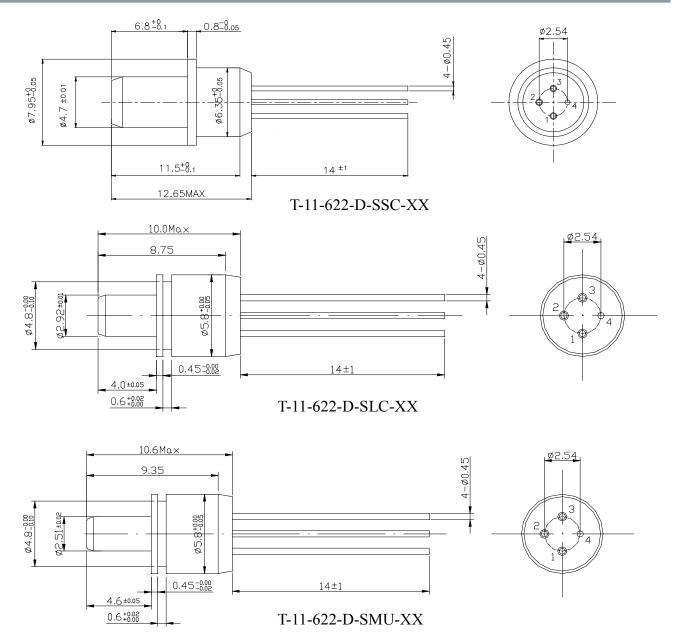
Pin Assignment



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

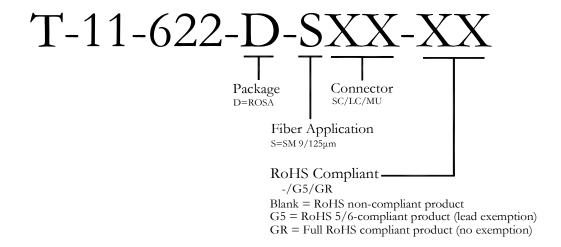
Packaging Dimension

Units in mm



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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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