622Mbps PIN-TIA Receiver Modules (5V)

查询"T-11-622-P-MFC-O"供应商

T-11-622-X-XXX-X-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
- FC/ST/SC receptacle package
- SM/MM fiber pigtailed with optional FC/ST/SC/LC connector

Applcation
- 622Mbps SDH/SONET/ATM receivers
- 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.	Typ.	Max.	Unit
Power Supply	V_{CC}	4.5	5	5.5	V
Differential Ouptput offset 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, 9/125μm SM & 50/125μm MM 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	6	7	-	V/mW	Measure differentially,AC coupled,RL=50Ω
Bandwidth	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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20550 Nordhoff St. • Chatsworth, CA 91311 • tel: 818.773.9044 • fax: 818.576.9486
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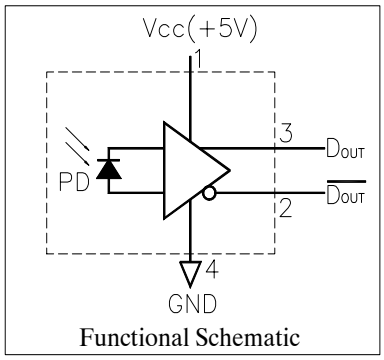
Pin Assignment



Functional Schematic

Pin Assignment

1~Vcc

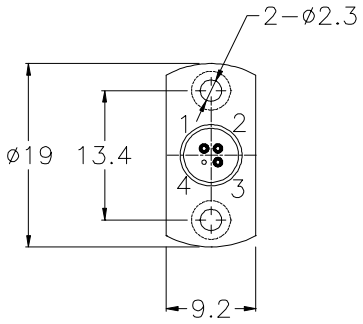
2~$\overline{\text{Dout}}$

3~Dout

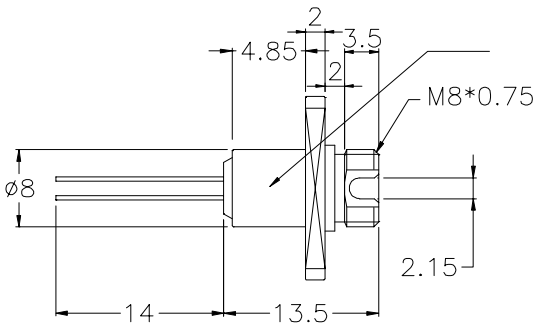
4~GND(CASE)

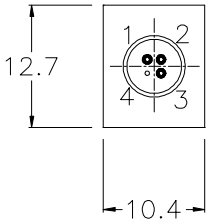
Packaging Dimension Units in mm.

Part Number : T-11-622-R-XXX-XX

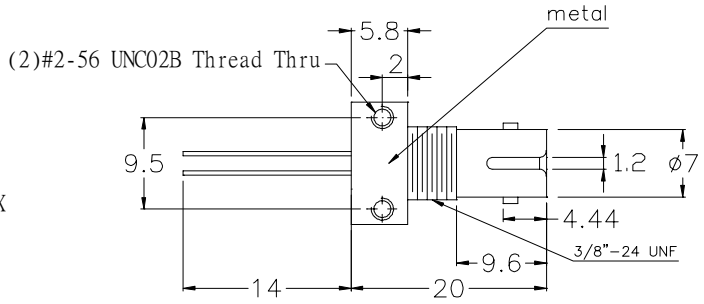


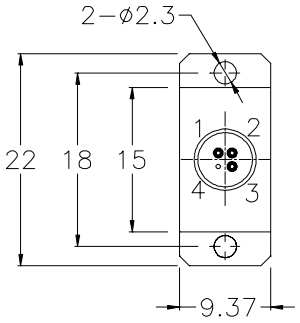
FC Receptacle
T-11-622-R-XFC-XX



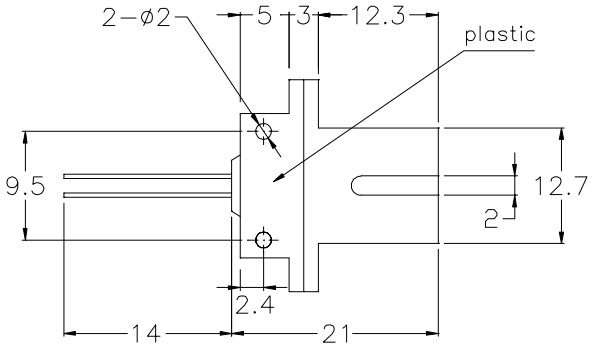


ST Receptacle
T-11-622-R-XST-XX





SC Receptacle
T-11-622-R-XSC-XX

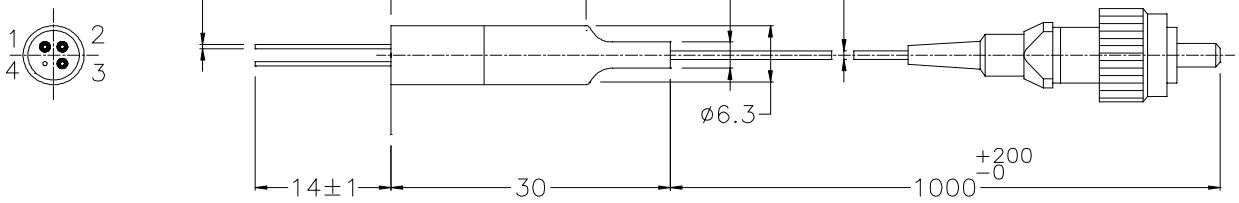


Packaging Dimension Units in mm.

Part Number : T-11-622-P-XXX-X-XX

Flange Type

"-":Flangeless

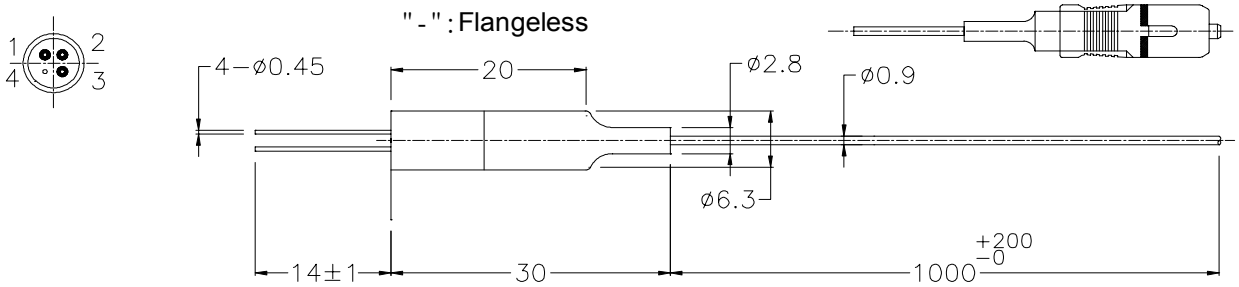


Connector Type

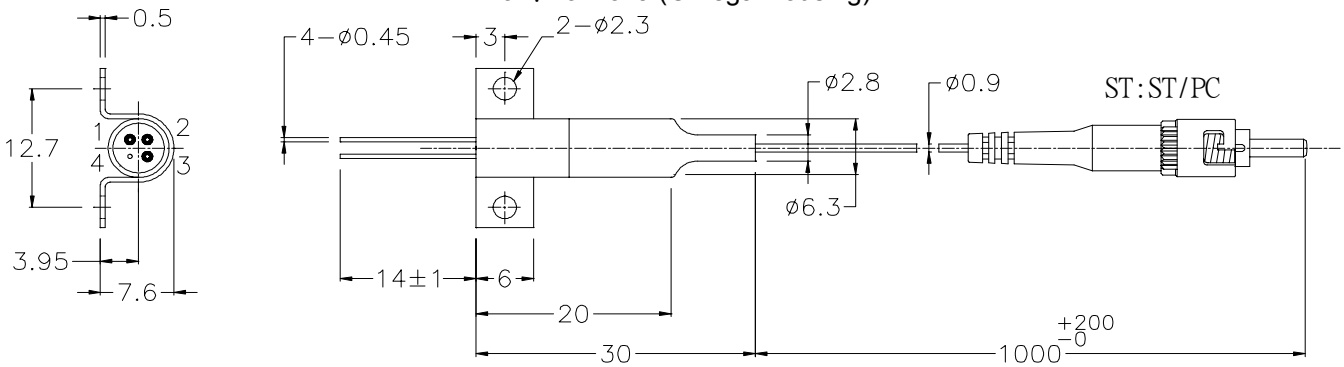
FC:FC/PC

SC:SC/PC

"-":Flangeless



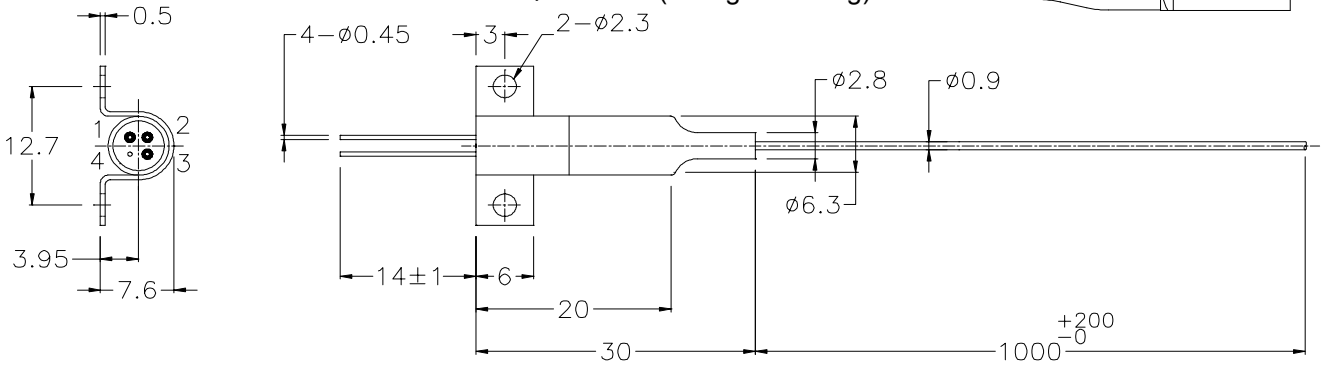
"o":Horizonal(Omega Housing)



ST:ST/PC

LC:LC/PC

"o":Horizonal(Omega Housing)



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Ordering Information

T-11-622-X-XXX-X-XX

- Package: P=Pigtail, R=Receptacle
- Fiber Application: S= 9/125µm, M= 50/125µm
- Connector: FC/ST/SC/LC/-
- Flange: "O" : O Type flange, " - " : No flange
- RoHS Compliant -/G5/GR: Blank = RoHS non-compliant product; G5 = RoHS 5/6-compliant product (lead exemption); GR = Full RoHS compliant product (no exemption)

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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