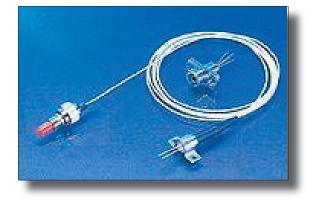
T-11-1250-P3-SXX/APC-X-XX



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

- SM fiber pigtailed with optional SFC/APC and SSC/APC connector Application
- 1.25Gbps SDH/SONET/ATM receivers
- RoHS Compliant available

Absolute Maximum Ratings (To	=25 °C)
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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.	Тур.	Max.	Unit
Power Supply	V _{CC}	3.0	3.3	3.6	V
Differential Ouptput Voltage	V _d	185	250	415	mV
Supply Current (no load)	l _{cc}	-	26	50	mA

(Operating at V_{CC}=3.3V,Tc=25°C, λ =1310nm, 9/125µm SM fiber)

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

Parameter	Symbol	Min	Тур	Мах	Unit	Test Conditions
Detection Range		1100	1310	1650	nm	
Gain@10Mbps Differential	G	1.92	2.5	3.4	V/mW	Measure differentially with 30uAp-p signal
Bandwidth (to -3dB point)	BW	700	920	1100	MHz	
Saturation Power	P _{sat}	-3	0	-	dBm	BER<10 ⁻¹² @1.25Gbps, PRBS2 ⁷ -1 Er=10dB
Sensitivity	Sens.	-	-26	-23	dBm	BER<10 ⁻¹² @1.25Gbps, PRBS2 ⁷ -1 Er=10dB
Output Resistance	Rout	48	50	62	ohm	

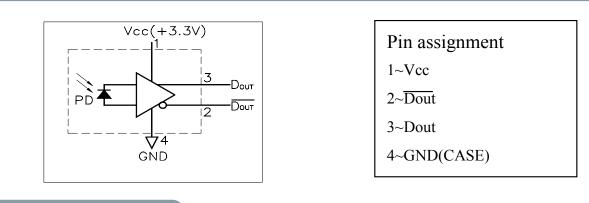
Note: 1.Pin assignment can be customized. 2.Specifications subject to change without

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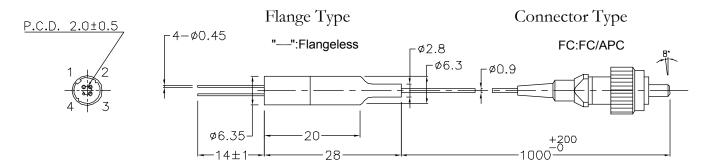
20550 Nordhoff St. • Chatsworth, CA 91311 • tel: 818.773.9044 • fax: 818.576.9486 9F, No 81, Shui Lee Rd. • Hsinchu, Taiwan, R.O.C. • tel: 886.3.5169222 • fax: 886.3.5169213

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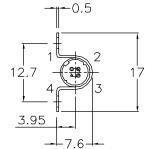


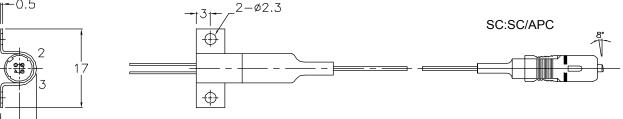


Packaging Dimension



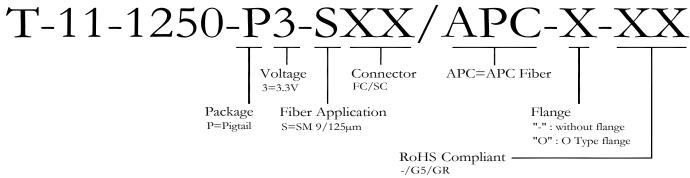
"O":Horizonal (Omega Housing)





T-11-1250-P3-SXX/APC-X-XX

Ordering Information



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.

Legal Notice

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