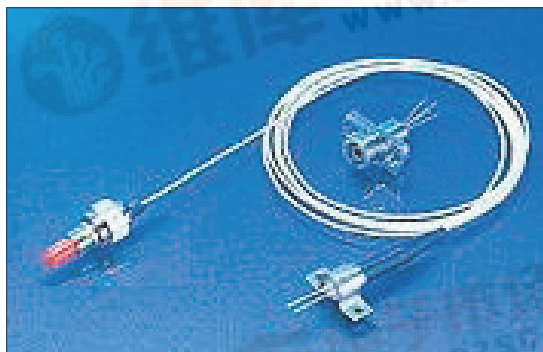


[查询T-11-1250-P3-SFC-APC 供应商](#)

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 (Tc=25°C)

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)

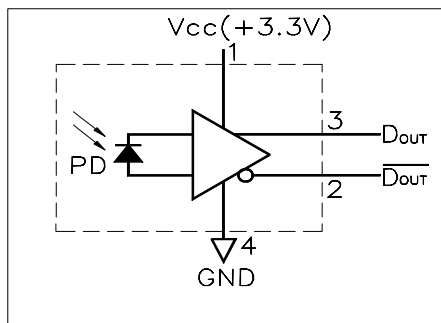
Parameter	Symbol	Min.	Typ.	Max.	Unit
Power Supply	V _{CC}	3.0	3.3	3.6	V
Differential Output Voltage	V _d	185	250	415	mV
Supply Current (no load)	I _{cc}	-	26	50	mA

(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	Typ	Max	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	R _{out}	48	50	62	ohm	

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

Pin Assignment



Pin assignment

- 1~Vcc
- 2~D_{OUT}
- 3~D_{OUT}
- 4~GND(CASE)

Packaging Dimension

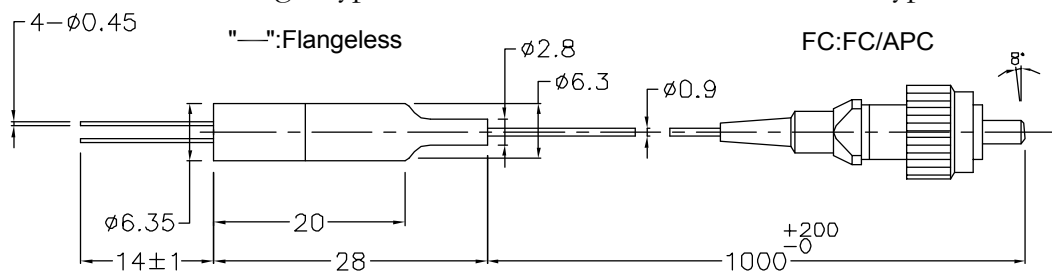
Units in mm.

P.C.D. 2.0±0.5



Flange Type

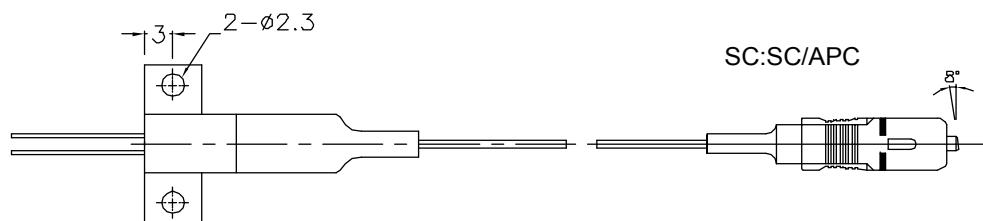
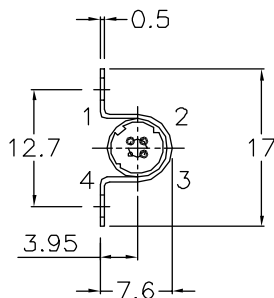
"—": Flangeless



Connector Type

FC:FC/APC

"O": Horizontal (Omega Housing)

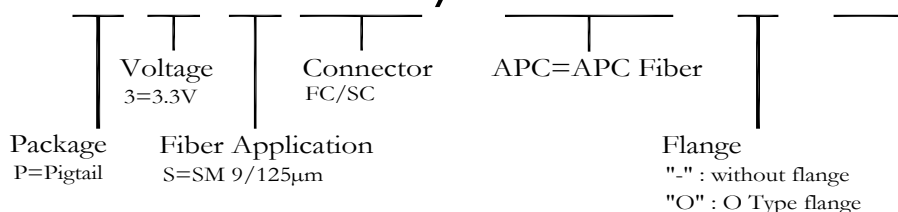


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T-11-1250-P3-SXX/APC-X-XX

Ordering Information

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



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.

Legal Notice

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