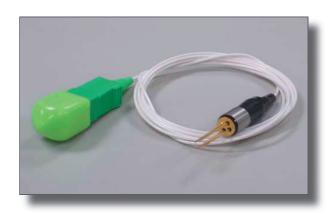
## T-11-2500-P/3-SSC/APC



#### **Features**

- InGaAs/InP PIN Photodiode with transimpedance amplifier
- High sensitivity with AGC
- Differential ended output
- Single+3.3V/5V operation
- -40~85°C operating temperature
- SM fiber pigtailed SC/APC connector
- 2.5Gbps SDH/SONET/ATM receivers

Absolute Maximum Ratings (Tc=25°C)							
Parameter	Symbol	Value	Unit				
Supply Voltage	$V_{CC}$	6	V				
Operating Temperature	T <sub>opr</sub>	-40 ~ +85	°C				
Storage Temperature	T <sub>stg</sub>	-40 ~ +85	°C				

DC Electrical Characteristics (Tc=25°C)							
Parameter	Symbol	Min.	Тур.	Max.	Unit		
Power Supply	V <sub>CC</sub>	3.0	-	5.5	V		
Differential Ouptput Voltage	V <sub>d</sub>	0.22	0.38	0.57	V		
Supply Current (no load)	I <sub>cc</sub>	-	34	63	mA		

# (V<sub>cc</sub>=+3.0 to 5.5V,Typical values are at V<sub>cc</sub>=3.3V,Tc=25°C, $\lambda$ =1310nm, 9/125 $\mu$ m SM fiber)

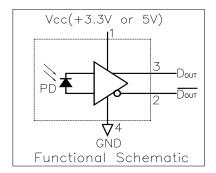
AC/Optical and Electrical Characteristics (Tc=25°C)							
Parameter	Symbol	Min	Тур	Max	Unit	Test Conditions	
Detection Range		1100	1310	1650	nm		
Gain@10Mbps Differential	G	1.5	2.3	3.2	V/mW	Measure differentially AC coupled RL=50Ω	
Bandwidth (to -3dB point)	BW	1500	2000	-	MHz		
Saturation Power	P <sub>sat</sub>	-3	0	-	dBm	BER=10-10@2.5Gbps, PRBS23	
Sensitivity	Sens.	-	-21	-18	dBm	BER=10-10@2.5Gbps, PRBS23	
Output Resistance	Rout	48	50	52	ohm		

Note: 1.Pin assignment can be customized.

2. Specifications subject to change without notice.

## T-11-2500-P/3-SSC/APC

### Pin Assignment



Pin Assignment

1~Vcc

2~Dout

3~Dout

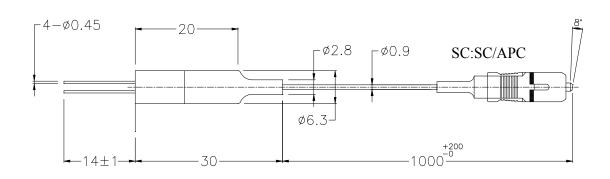
4~GND(CASE)

Packaging Dimension

Units in mm.

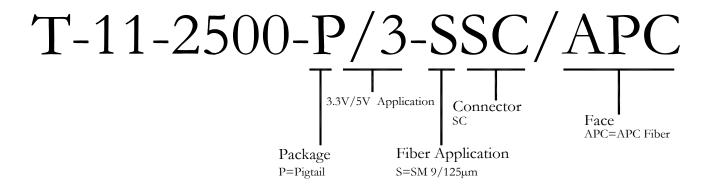
Part Number: T-11-2500-P/3-SSC/APC





## T-11-2500-P/3-SSC/APC

### **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**

#### IMPORTANT NOTICE

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