

## GPTP-W13Hxx

The detector includes a 7 pin PIN-TIA plus CMOS Pre-amplifier, supports 25Gbps long distance fiber communication application.



### Absolute maximum ratings

Parameter	Symbol	Min	Max	Unit
Operating Temperature	Top	-40	85	°C
Storage Temperature	Tstg	-40	85	°C
Lead Solder Temperature	Tlead	—	260	°C
PIN Reverse Voltage	Vpin	—	20	V
Power Supply Voltage	Vp	-0.4	4	V
Optical Power	Pin	—	6.5	dBm

### Electrical/Optical characteristics

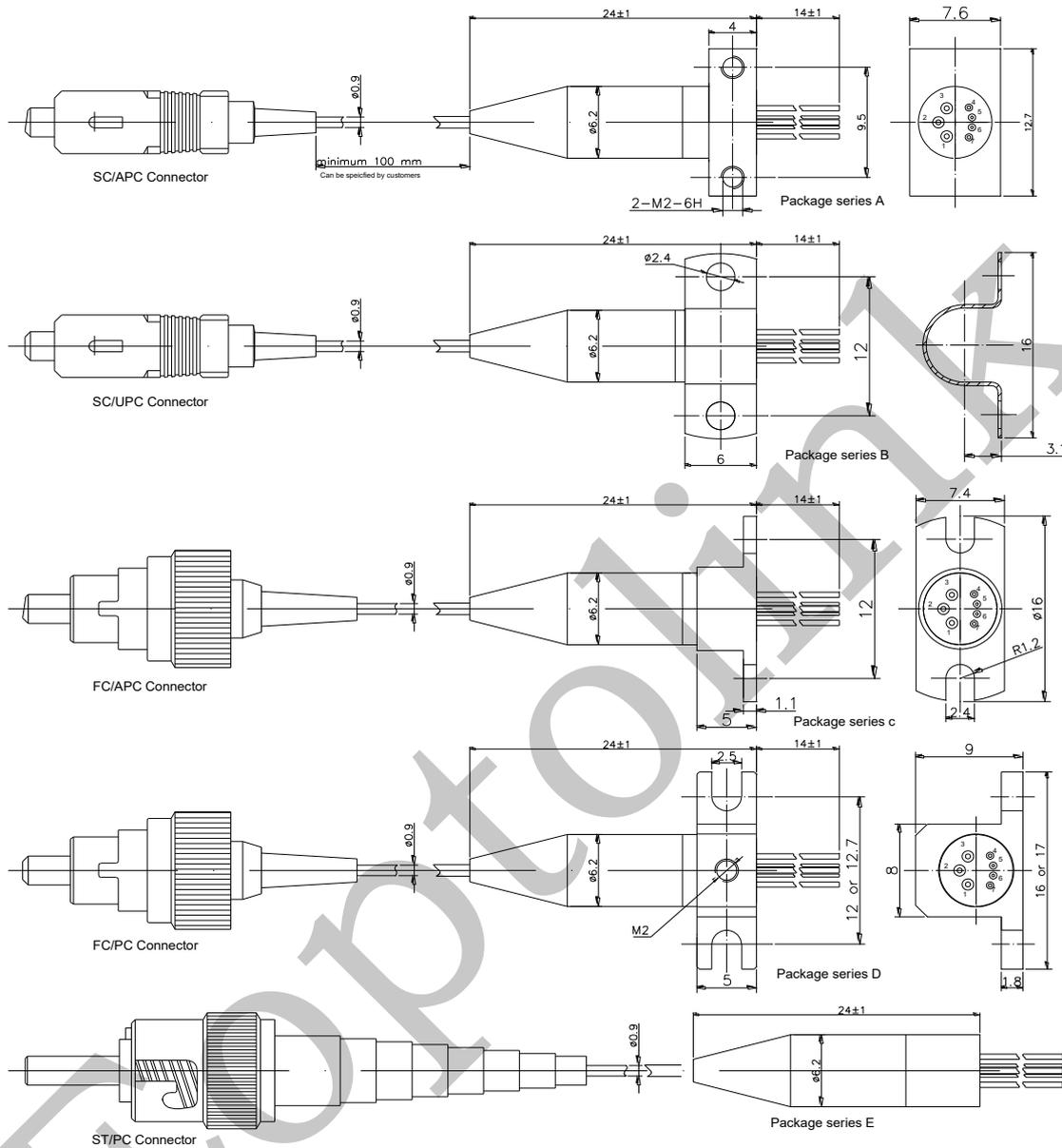
(Tc=+25°C, Vcc=3.3V、SM fiber)

Parameter	Symbol	Min	Typ.	Max	Unit	Test conditions
Supply Voltage	Vcc	2.97	3.3	3.63	V	—
Supply Current	Icc	—	26	33	mA	Vcc=3.3V
-3dB Bandwidth	BW	18	20	—	GHz	
Data rate	DR	—	—	28	Gbps	
Wavelength	$\lambda$	1100	1310	1650	nm	—
RSSI slope	—	0.9	1.0	1.1	mA/mA	—
Sensitivity*Note1	S	—	—	-14.5	dBm	1310nm,RBS31-1,BER=1E-6,ER=4dB, 25G
Responsivity	R	0.8	—	—	A/W	$\lambda$ =1310nm, power=-20dBm
Overload Power	Pload	0.5	—	—	dBm	
Optical return loss*Note2	ORL	—	—	-26	dB	

Note1:The Sensitivity Test is under Optical module and ROSA With Flex Board.

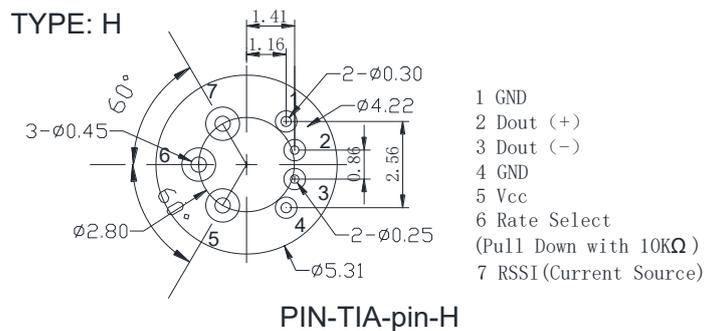
Note2: This data is test by Pigtail fiber stub ROSA

Package dimension \*Note3

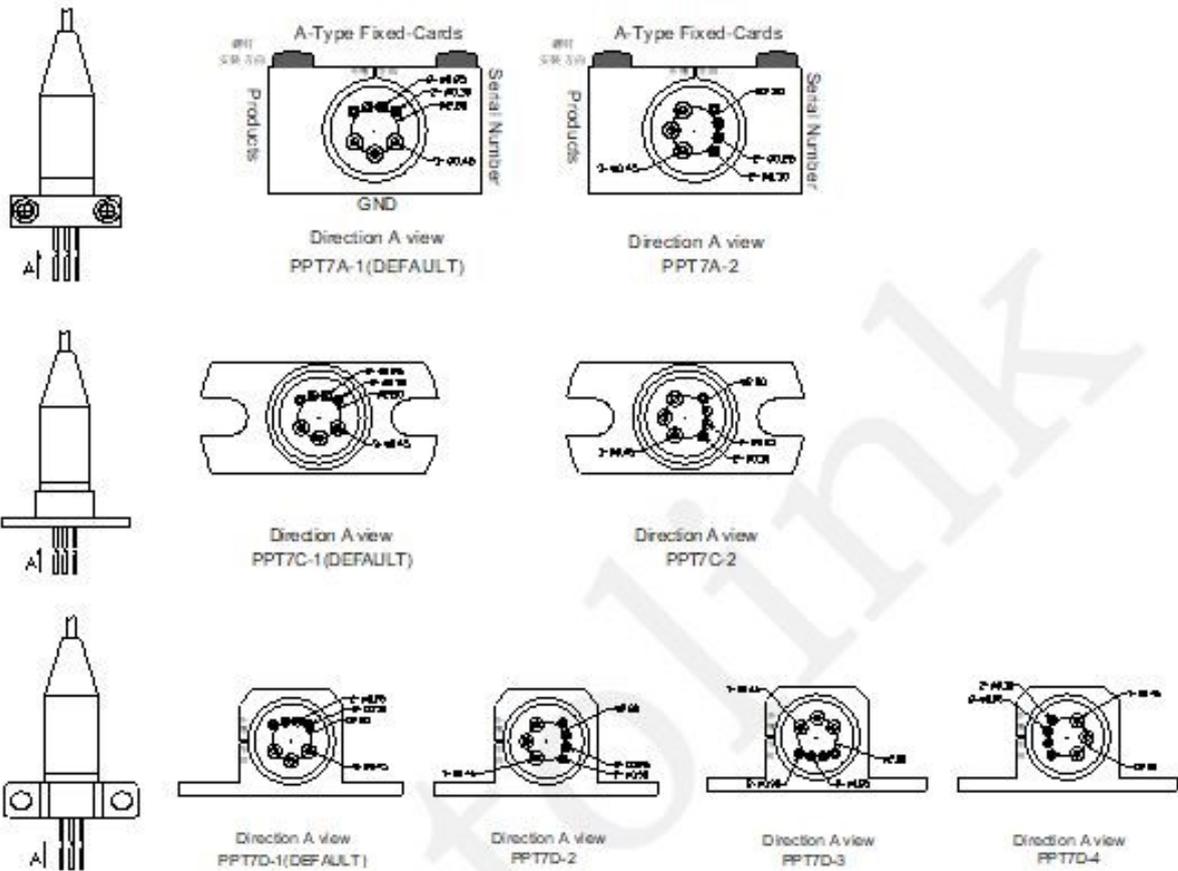


\*Note3:Insulation is the TO-CAN and the metal pipe insulation.

Pin Assignment



## The direction of fix card



## Ordering Information

GTP-        
 A B C D E F

Order	Parameter	Detailed Description				
A	Date rate	W=25Gbps				
B	Wavelength	1=1100~1650nm				
C	Voltage	3=3.3V				
D	Pin Type	H= PIN-TIA-pin-H				
E	Package series	A	B	C	D	E
F	TO Type	F=FC/PC	S=SC/PC	T=ST/PC	L=LC/PC	
		FA=FC/APC	SA=SC/APC	LA=LC/APC	Blank=None	

## Precaution

- (1) The modules should be handled in the same manner as ordinary semiconductor devices to prevent the electro-static damages. For safe keeping and carrying, the modules should be packaged with ESD proof material. To assemble the modules on PCB, the workbench, the soldering iron and the human body should be grounded.
- (2) Please pay special attention to the atmosphere condition because the dew on the module may cause some electrical damages.
- (3) Under such a strong vibration environment as in automobile, the performance and reliability are not guaranteed.

## Obtaining Document

You can visit our website:

<http://www.eoptolink.com>

Or contact Eoptolink Technology Inc., Ltd. listed at the end of the documentation to get the latest documentation.

## Revision History

Verision	Initiated	Reviewed	Approved	Revision History	Release Date
Va-1	Zore.Zhao	James.Liu	Vincent.Yu	The initial	2020.8.28

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