

0V InGaAs PIN ROSA

FR-PD6533N0-xx

1. Description:

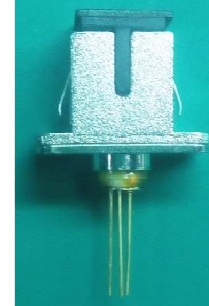
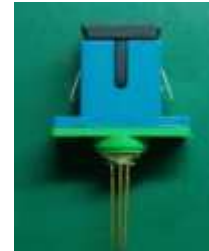
The FR-PD6533N0-xx is a InGaAs PIN receptacle ROSA modules have been designed specifically for PON/CATV receiver over a single fiber. The devices are particularly suited for PON/CATV application.

2. Features:

- Planar semiconductor design and dielectric passivation
- Superior noise and photoelectric performance
- SC/APC or SC/PC receptacle
- Operating Voltage 0V(No power)
- ROHS

3. Application:

- PON/CATV receiver
- FTTH/CATV receiver
- Other analog transmission system



4. Absolute Maximum Ratings(T=25±3°C , unless otherwise stated)

Parameter	Symbol	Min	Max	Unit	Condition
Module					
Operating Case Temperature	Top	-40	+85	°C	
Storage Temperature	Tstg	-40	+85	°C	
Solderability	Stemp	--	350°C(<5S)	°C,S	ANSJ/J-ATD-002
			260°C(<10S)	°C,S	
ESD susceptibility	ESD	--	300	V	
Saturated Optical Power	Ps	3	--	dBm	Vr=0V

5. Optical/Electrical Characteristics (T=25°C , unless otherwise stated)

Parameter	Symbol	Min	Typ	Max	Unit	Test Conditions
Operation Wavelength	λ	1260	--	1620	nm	
Responsivity	RE	0.90	0.95	--	A/W	Vr=0V, λ=1550nm
Saturated Optical Power	Ps	+3	--	--	dBm	Vr=0V
2nd Order Inter-Modulation	IMD2	--	--	-70	dBc	P1=-3dBm
Frequency Range	FR	40	--	1000	MHz	
Flatness	FL	-0.5	--	0.5	dB	
Input Optical Power		-15		0	dBmW	
Output Level 1	OL	68	--	--	dBuv	P=-1dBmW
Output Level 2	OL	50	--	--	dBuv	P=-10dBmW

6.Dimensions And Pin Type

6.1Dimensions are in millimeters. All dimensions are $\pm 0.1\text{mm}$ unless otherwise specified.

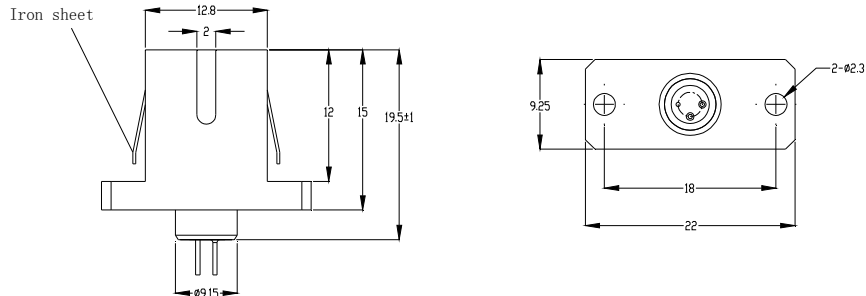


Figure 1. The dimension of the product with iron sheet, plastic body

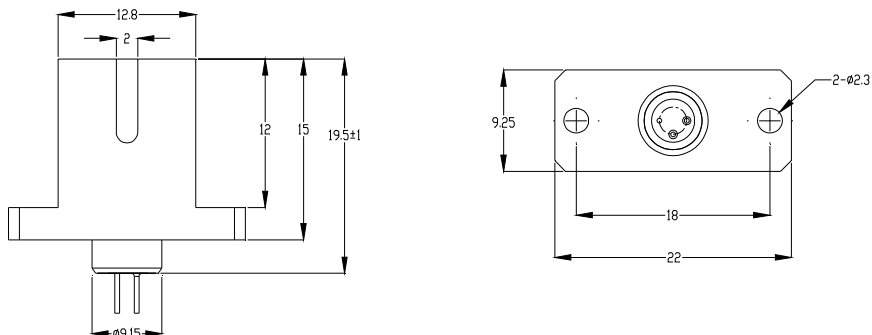


Figure 2. The dimension of the product without iron sheet, plastic body

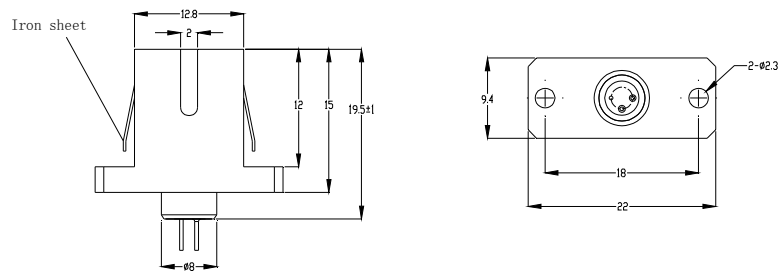
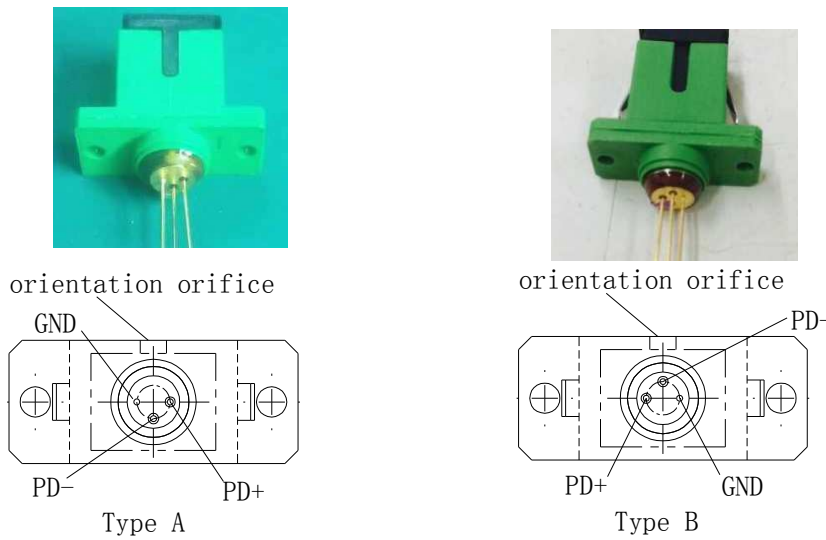


Figure 3. The dimension of the product without iron sheet, metal body

6.2 PinType



7. Order information

Module	Iron sheet	PIN type	Connector	Color of body
FR-PD6533N0-00	Without(Figure 2.)	<p>Type A</p>	SC/APC	green
FR-PD6533N0-02	With(Figure 1.)		SC/APC	green
FR-PD6533N0-PC	With (Figure 1.)		SC/PC	blue
FR-PD6533N0-P2	Without (Figure 2.)		SC/PC	blue
FR-PD6533N0-M1	With(Figure 3.)		SC/APC	Metal body
FR-PD6533N0-M2	With(Figure 3.)		SC/PC	Metal body
FR-PD6533N0-01	With (Figure 1.)	<p>Type B</p>	SC/APC	green
FR-PD6533N0-03	Without (Figure 2.)		SC/APC	green
FR-PD6533N0-P1	With (Figure 1.)		SC/PC	blue
FR-PD6533N0-P3	Without (Figure 2.)		SC/PC	blue
FR-PD6533N0-M3	With(Figure 3.)		SC/APC	Metal body
FR-PD6533N0-M4	With(Figure 3.)		SC/PC	Metal body

8. Contact us

Jiangsu Fiber Grid CO., LTD
 Add: 36 Nan Wei Si Lu Ding Mao High-tech New City Zhenjiang Jiangsu China
 Zip code:212009
 Tel: (86)511-88698558
 Fax: (86)511-88698557
 Email:sales@fiber-grid.com
 Web: www.fiber-grid.com