

SC Receptacle Photodetector Module



Performance Characteristics

- ◆ High responsivity, Low return loss
- ◆ Low dark current, Low capacitance
- ◆ Planar incident structure
- ◆ High reliability and Long operation life

Applications

- ◆ Analog Optical Receiver
- ◆ CATV & CDMA
- ◆ Test Equipment

Optical and Electrical Characteristics(T=25°C)

Parameter	Symbol	Unit	Min	Typ	Max	Test Condition
Operating Wavelength	λ	nm	1100		1650	-
Dark Current	I_d	nA			1	$V_r = -5V$ 25°C
Responsivity	R	A/W		0.87		$V_r = -5V$ $\lambda = 1310nm$
				0.95		$V_r = -5V$ $\lambda = 1550nm$
Active Diameter	Φ	μm		55		-
Rise time/Fall time	t_r/t_f	ns		0.1		$RL = 50\Omega$
Capacitance	C	pF		0.46	0.65	$V_r = -5V$
Composite Second Order Beat	IMD2	dBc	-75			
Composite Third Order Beat	IMD3	dBc	-85			
Optical Return Loss		dBm	-40			

■ Absolute Maximum Ratings($T_c=25^{\circ}\text{C}$)

Parameter	Symbol	Unit	Min	Max
Saturation	Ps	mW		5
Forward current	If	mA	-	10
Reverse voltage	Vr	V		30
Reverse current	Ir	mA		5
Operating Temperature	Top	$^{\circ}\text{C}$		-40~+85
Storage temperature	Tstg	$^{\circ}\text{C}$		-40~+85

■ Dimension

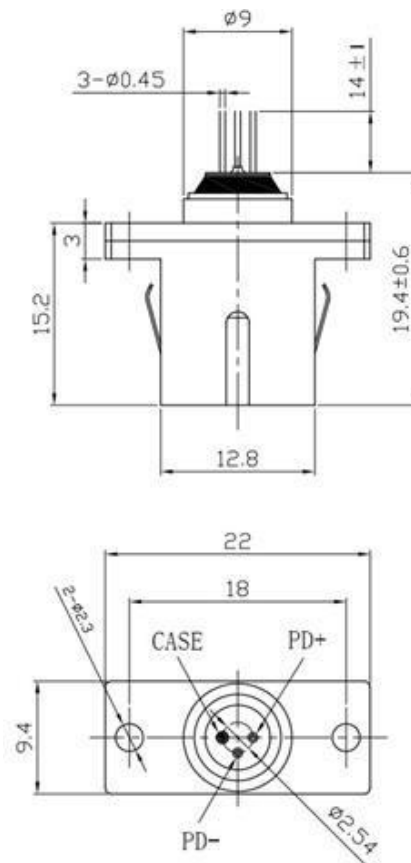


Fig1. SC Receptacle Module

Order Information

WSPDM-X-XX-X-XX-X-XX

X	XX	X	XX	X	XX
Module Type	Active area	Connector	Wavelength	Reverse Voltage	Others
1:SC Receptacle	01:50um	1:SC/PC	00: All wavelength	0:0V	
	02:60um	2:SC/APC		5:5V	
	03:70um	3:FC/PC	15: 1550nm		
	04:75um	4:FC/APC			
	05:80um				
	06:300um				

Such as WSPDM-1-03-2-00-P-5:WS:WSEE, PDM: Single PIN module 1: SC Receptacle 03:70um

2:SC/APC 00: All wavelength 5:5V

Package Dimension



400pcs

Note: The specific packing box size is determined according to the quantity ordered by the customer.

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