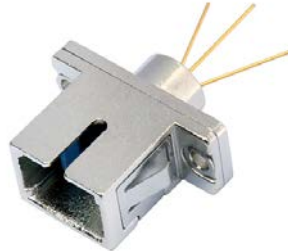




InGaAs PIN COMPONENT

Features

- High response, flat structure of InGaAs PIN detector
- Low capacitance and low dark current
- Operating wavelength of 1100~1650nm
- Power detector



Applications

CATV Transmission

Other Analog or Digital Optical Transmission

Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit
Storage Temperature	Tstg	-40~+100	°C
Operating Temperature	Top	-40~+85	°C
Max Input Power	Pmax	+4	dBm
Operating Voltage	Vop	5	V
PD Reverse Voltage	VR(PD)	25	V
Soldering Temp	-	260	°C
Soldering Time	-	10	S

Optical & Electrical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Wavelength Range	λ	1100	-	1650	nm	-
Power Range	P	-70	-	+4	dBm	$V_s=5V$
Active Diameter	A_d		75		um	-
Dark Current	I_d	-	0.2	0.5	nA	-
Responsivity	R	-	0.85	0.90	A/W	$\lambda=1310\text{ nm}$
			0.90	0.95		$\lambda=1550\text{ nm}$
Frequency Bandwidth	Bw	1		2000	MHz	
Frequency Response	Fr	-	± 0.5	-	dB	
Capacitance	Ct	-	0.65	0.75	Pf	-
Response Time	Tr	0.1	-		ns	-
Return loss	Rl			-45	dB	
CSO	-	-	-70	-	dBc	45~860MHz
CTB	-	-	-80	-	dBc	45~860MHz

PIN Definition

Address: 5-floor, Block B Creative Building, Shaojia Tsui, Wenzhi St., Hongshan District, Wuhan, City, Hubei, P.R. China
430074

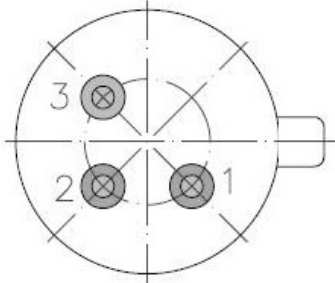
Tel: 86-027-87172995

Fax: 86-027-87179709

www.laserdiodevice.com

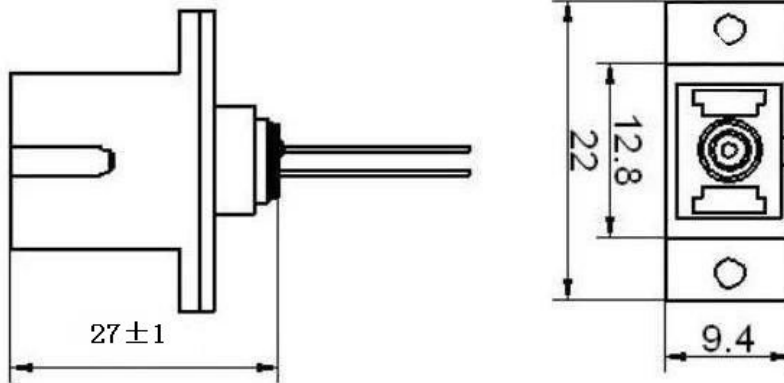


PIN:



Type A:
 【1】 PD +
 【2】 PD -
 【3】 CASE

Dr:



Order Information

CS-IXAX

C	S	-I	X	A	X
Mode	Product	Material Type	Bandwidth	Pin Type	Connector
	Small Area	I: InGaAs PIN	2: 2Gb/s 3: 3Gb/s	A Type	F: FC S: SC T: ST

Additional requirements can be settled through friendly negotiation.

Shengshi Optical Tech. Co.,Ltd reserves the right to make changes to the product or information contained herein without notice.