

Active diameter 75um Pin Photodiode

Features

- Small dark current
- High reliability
- High Accuracy

Applications

CATV , Telecommunication , Data communication

Absolute Maximum Ratings

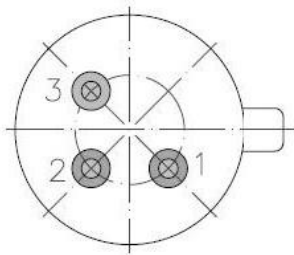
Parameter	Symbol	Ratings	Unit
Storage Temperature	Tstg	-40~+100	°C
Operating Temperature	Top	-40~+85	°C
Max Input Power	Pmax	+3	dBm
Operating Voltage	Vop	5	V
PD Reverse Voltage	VR(PD)	25	V
Soldering Temp	-	260	°C
Soldering Time	-	10	S

Optical & Electrical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Wavelength Range	λ	1100	-	1650	nm	-
Power Range	P	-70	-	+3	dBm	$V_i=5V$
Active Diameter	Ad	25		80	um	-
Dark Current	Id	-	0.2	0.5	nA	-
Responsivity	R	-	0.85	0.90	A/W	$\lambda=1310$ nm
			0.90	0.95		$\lambda=1550$ nm
Frequency Bandwidth	Bw	1		10000	MHz	
Frequency Response	Fr	-	± 0.5	-	dB	
Capacitance	Ct	-	0.5	0.65	Pf	-
Response Time	Tr	-	-	1	ns	-
CSO	-	-	-70	-	dBc	
CTB	-	-	-80	-	dBc	

PIN Definition

PIN:



Type A:
【1】 PD +
【2】 PD -
【3】 CASE