

◆ **Introduction:**

S-11ACPD08-G is a front-side illuminated InGaAs PIN chip with a planar structure. This product has high responsivity, low dark current, and excellent reliability. It is ideally suited for various LD monitoring application.

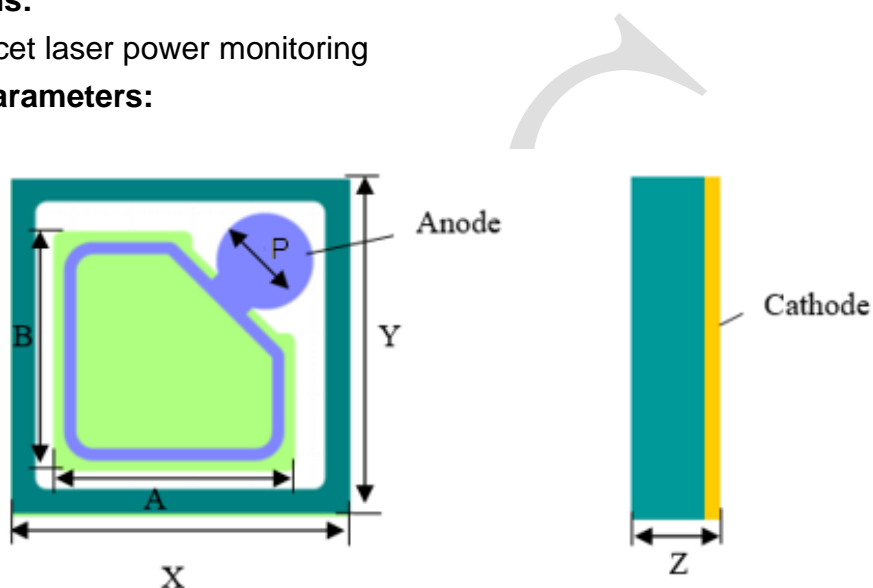
◆ **Key Features:**

- Optical aperture: 200μm
- Operating temperature range: -40 to +85°C
- 100% testing and inspection
- RoHS compliant

◆ **Applications:**

- Back facet laser power monitoring

◆ **Physical Parameters:**



Symbol	Die Dimension			Aperture		Pad
	X	Y	Z	A	B	P
Min	255	255	135	195	195	Φ75
Typ	280	280	150	200	200	Φ80
Max	305	305	165	205	205	Φ85
Unit	μm	μm	μm	μm	μm	μm

◆ **Absolute Maximum Rating:**

Parameter	Symbol	Rating		Unit
		Min	Max	
Operation Voltage	V _{OP}		20	V
Operating Temperature	T _{OP}	-40	85	°C
Storage Temperature	T _C	-45	125	°C

◆ **Specifications (T=25°C) :**

Parameter	Symbol	Test Conditions	Min	Typ	Max	Units
Wavelength Range			1210	1310/1550	1650	nm
Dark Current	I _D	V _R =5V		1	5	nA
Capacitance	C	V _R =5V		2.5	5.0	pF
Responsivity	R _e	V _R =5V λ=1550nm	0.90	0.95		A/W
-3dB Bandwidth	BW	V _R =5V λ=1550nm	0.8			GHz