

1300/1550nm 1~4 Gbps InGaAs PIN Photodiodes

Part number: **PY-CK11**

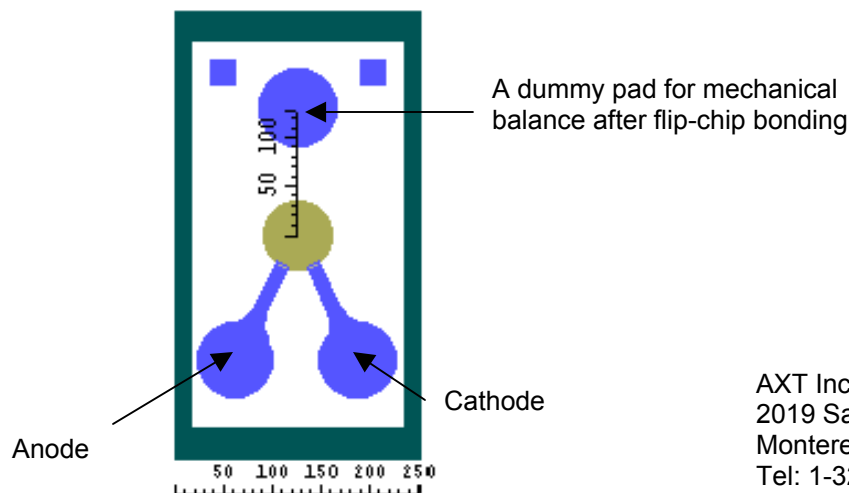
Characteristics (T=300K)

	Conditions	Min.	Typical	Max.	Unit	Notes
Bandwidth	-3 V	3			GHz	
Wavelength range		910	1310	1650	nm	
Responsivity		0.8	0.85	.95	A/W	@1310nm
Dark current	-3 V		5	10	nA	
Reverse breakdown	1μA	30			V	
Capacitance	- 3 V, 1 MHz		0.40	0.55	pF	70μm window
Rise/Fall time (20%/80%)				100	ps	

Physical

	Typical	Unit	Notes
Aperture (dia.)	70	μm	
Bonding pads (dia.)	80	μm	
Die height	150	μm	
Die size	460x250	μm	
Substrate	SI-type substrate		

Device layout [μm]



AXT Inc.
 2019 Saturn Street
 Monterey Park, California 91754
 Tel: 1-323-278-0820
 Fax: 1-323-278-0096
 Email: VCSEL@axt.com
www.axt.com