Photodiode **Φ2.5** mm²



FEATURES

- Circular Active Area
- TO-5 package
- Excellent Stability after EUV Exposure
- Windowless Package for Responsivity to 1 nm

Electro-Optical Characteristics at 25°C

Parameters	Test Conditions	Min	Тур	Max	Units
Active Area	2.5 diameter		5		mm²
Responsivity	(see graph on next page)				
Shunt Resistance, Rsh	V = ±10 mV	20			MOhms
Capacitance, C	V _R = 0 V		500	1500	pF
Response Time, tr	RL = 50 Ω, V _R = 0 V		1	2	usec

Thermal Parameters

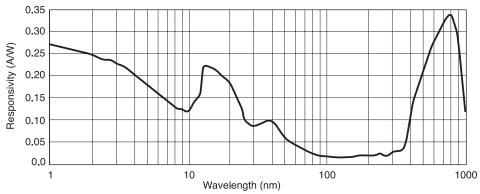
Storage and Operating Temperature Range	Units		
Ambient	-10°C to 40°C		
Nitrogen or Vacuum	-20°C to 80°C		
Lead Soldering Temperature ¹	260°C		

¹ 0.08" from case for 10 seconds.

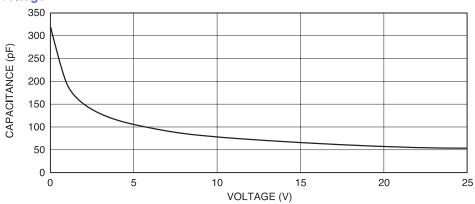
Revision October 10, 2024 Page 1 of 3

From Deep UV to Mid-IR An ITW Company

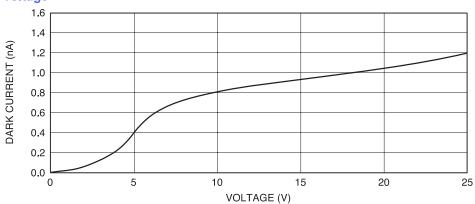
Typical Photon Responsivity



Capacitance vs. Voltage



Dark Current vs. Voltage

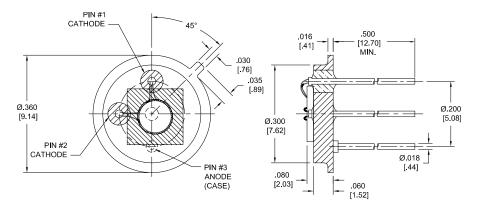


Revision October 10, 2024 Page 2 of 3



Photodiode **Φ2.5** mm²

Package Information



Dimensions are in inches [metric] units.

Specifications are subject to change without prior notice.

1260 Calle Suerte, Camarillo, California 93012
Phone: +1 805.499.0335 | Fax: +1 805.499.8108 | sales@optodiode.com | www.optodiode.com