Photodiode 1 mm²

ODD-1B

FEATURES

- TO-18 Package
- Low Cost Format
- Low Dark Current
- Low Capacitance

Electro-Optical Characteristics at 25°C

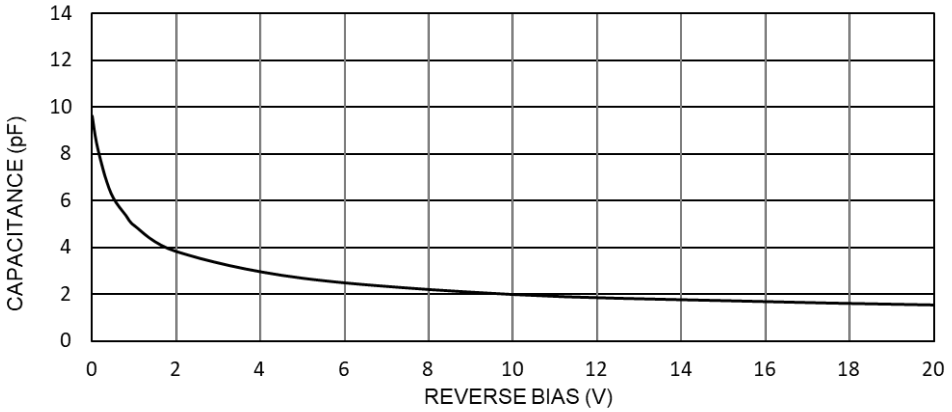
Parameters	Test Conditions	Min	Typ	Max	Units
Active Area	1.35 mm x 0.76 mm		1		mm^2
Responsivity	@ 450 nm	0.2	0.28		A/W
Dark Current, Idr	V_R = 10 V		0.2	1	nA
Reverse Breakdown Voltage, V_R	I_R = 10 µA	25	60		Volts
Capacitance, C	V_R = 10 V		2		pF
Rise Time	V_R = 10 V		15		nsec

Thermal Parameters

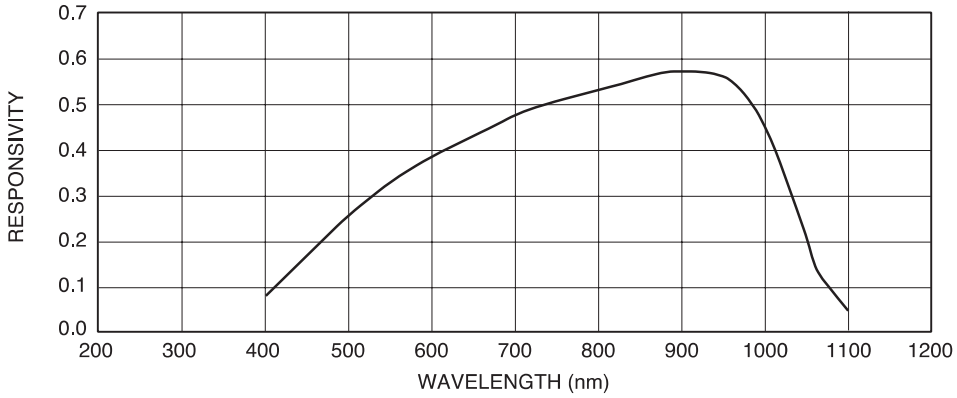
Parameters	Units
Storage and Operating Temperature Range	-55°C to 100°C
Maximum Junction Temperature	100°C
Lead Soldering Temperature[1]	260°C

[1] 1/16" from case for 10 seconds.

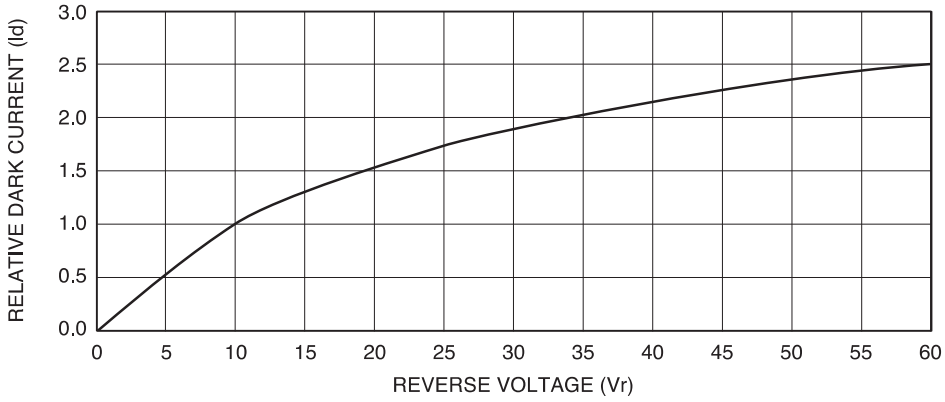
Capacitance vs. Bias Voltage



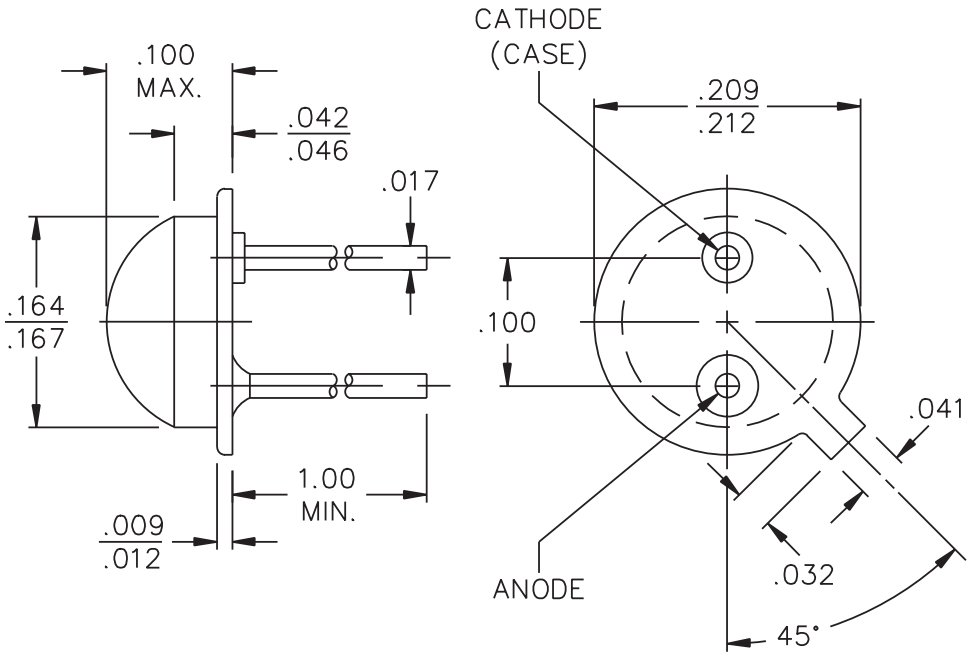
Typical Spectral Response



Dark Current vs Voltage



Package Information



Dimensions are in inch [metric] units.

Specifications are subject to change without prior notice.