

FEATURES

- Near Infrared Low Bias Device
- Superior Responsivity with Low Reverse Bias
- Photosensitive Active Area: Circular 2.52mm Diameter
- High Sensitivity: 0.65 A/W ($\lambda=850\text{nm}$), 0.38A/W ($\lambda=1064\text{nm}$)
- Wide Operating Temperature: -40°C TO 110°C
- Hermetically-sealed, standard two-lead TO-5 Package
- Ceramic Chip Carrier SMT Package

APPLICATIONS

- Ideal for Laser Monitoring
- Biological, Dental, and Medical Equipment, Plus Fluid Dynamics, Manufacturing, and Military Applications
- Rugged for Industrial Automation, Sheet Metal, Pipe Cutting, Engraving, Etching, and Marking other Manufacturing Environments

ELECTRO-OPTICAL CHARACTERISTICS AT 25°C

PARAMETERS	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Active Area			5		mm ²
Responsivity, R	@ 850		.65		A/W
Responsivity, R	@ 1064nm		.38		A/W
Dark Current, I _{dr}	V _R = 10V		1	3	nA
Reverse Breakdown Voltage, V _R	I _R = 10uA	25	60		Volts
Capacitance, C	V _R = 10V		11		pF
Rise Time	V _R = 10V		10		nsec

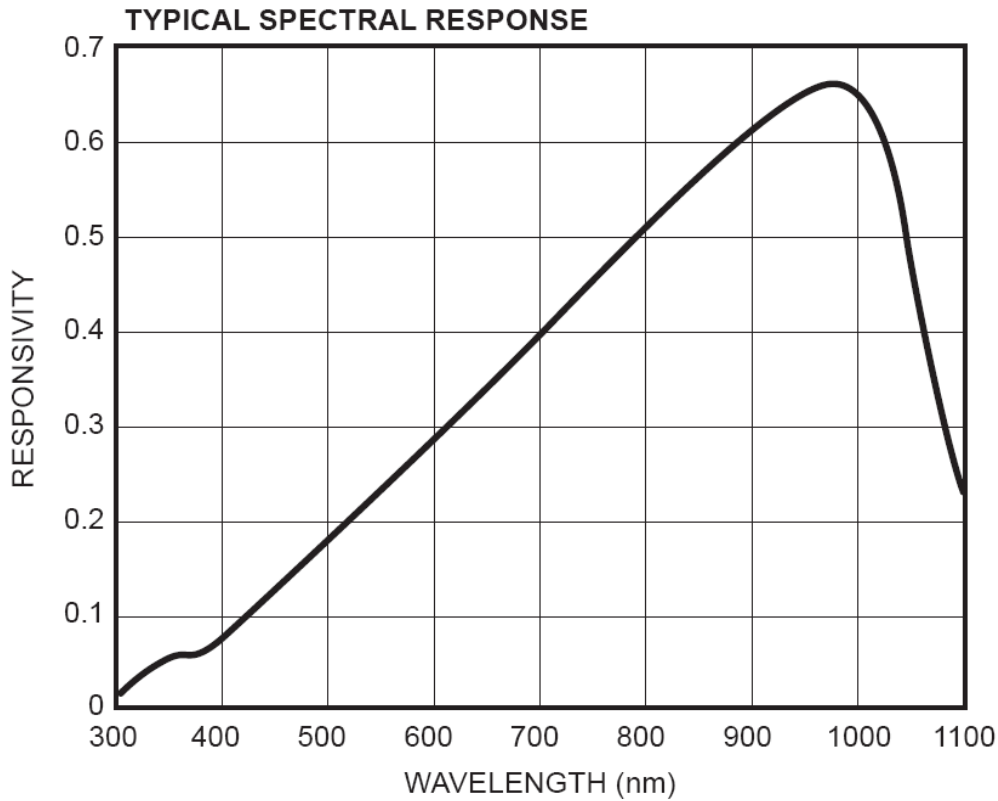
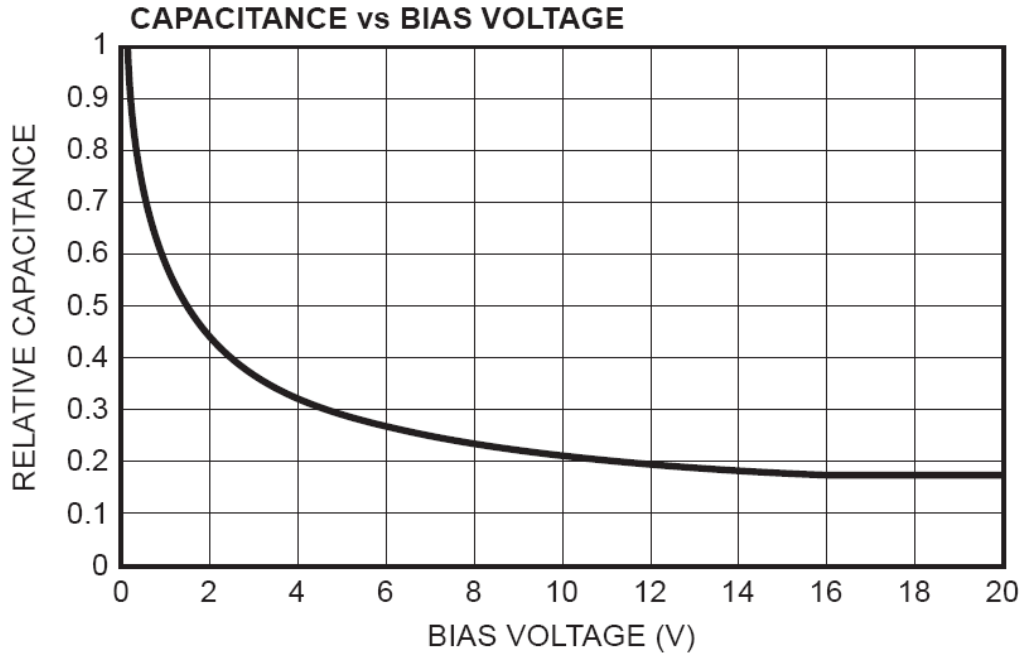
THERMAL PARAMETERS

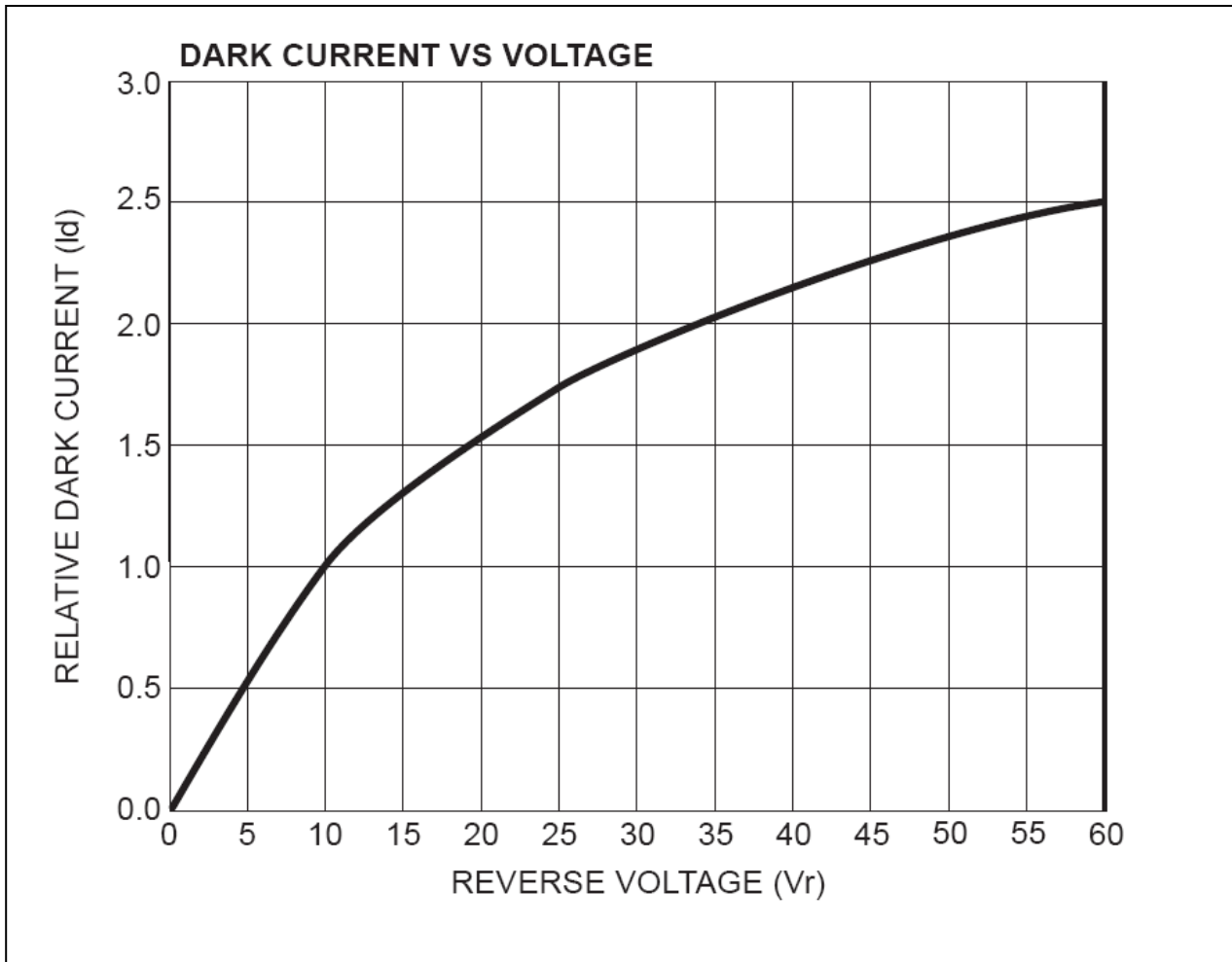
Storage and Operating Temperature Range	-40°C TO 110°C
Maximum Junction Temperature	110°C
Lead Soldering Temperature ¹	260°

¹1/16" from case for 10 seconds.



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**ORDERING INFORMATION**

ODD-1064-001 Hermetically-sealed, standard two-lead TO-5 package

ODD-1064-002 Ceramic Chip Carrier SMT Package with LID



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