

FEATURES

- Near Infrared Reduced Footprint Photodiode
- Photosensitive active area: 0.86mm x 0.86mm
- High Sensitivity: 0.65 A/W ($\lambda=850\text{nm}$)
- Wide Operating Temperature: -40°C TO 110°C
- Ideal for High Volume Laser Monitoring Applications
- RoHS and REACH Compliant

Dimensions are in inch [metric] units

ELECTRO-OPTICAL CHARACTERISTICS AT 25°C

| PARAMETERS | TEST CONDITIONS | MIN | TYP | MAX | UNITS |
|----------------------------------|-----------------|-----|-----|------|-----------------|
| Active Area | | | .74 | | mm ² |
| Responsivity, \mathcal{R} | @ 850nm | | .65 | | A/W |
| Dark Current, I_{dr} | $V_r = 3V$ | | 0.1 | 0.75 | nA |
| Shunt Resistance | $V_R = 10mV$ | 200 | 800 | | MΩ |
| Reverse Breakdown Voltage, V_R | $I_R = 10\mu A$ | 25 | | | Volts |
| Capacitance, C | $V_R = 0V$ | | | 8 | pF |
| Rise Time | $V_R = 10V$ | | 8 | 15 | nsec |

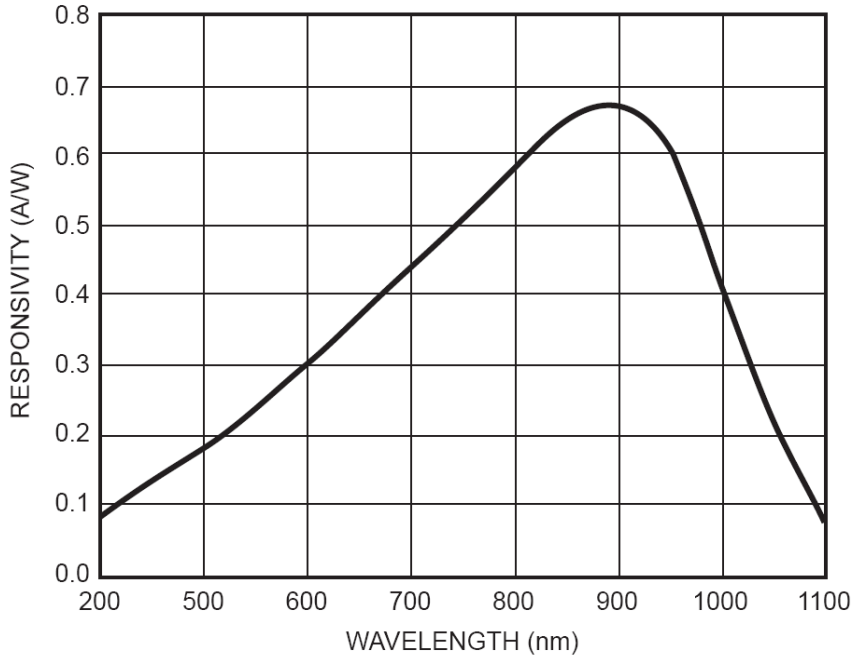
THERMAL PARAMETERS

| | |
|---|----------------|
| Storage and Operating Temperature Range | -40°C TO 110°C |
| Maximum Junction Temperature | 110°C |

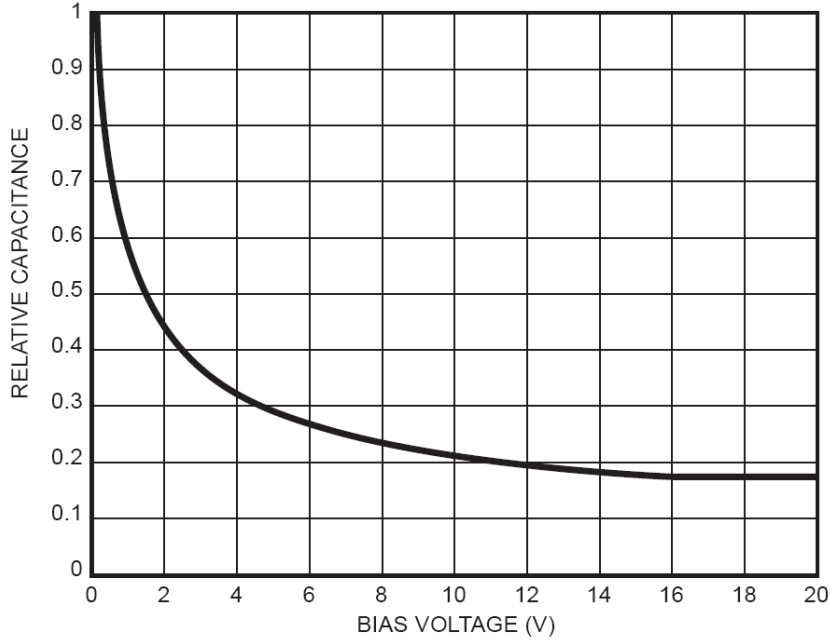


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TYPICAL SPECTRAL RESPONSE



CAPACITANCE vs BIAS VOLTAGE



ORDERING INFORMATION

- ODD-850-005-1 Waffle Pack
- ODD-850-005-2 Grip Ring



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