# Photodiode 0.36 mm²

**NXIR-RF36**

## FEATURES

- Near Infrared Reduced Footprint Photodiode
- Photosensitive Active Area: 0.6 mm x 0.6 mm
- High Sensitivity: 0.65 A/W (ʎ = 850 nm)
- Wide Operating Temperature: -40°C to +110°C
- Ideal for High Volume Laser Monitoring Applications
- RoHS and REACH Compliant

## Electro-Optical Characteristics at 25°C

| Parameters | Test Conditions | Min | Typ | Max | Units |
|---|---|---|---|---|---|
| Active Area | | | 0.36 | | $mm^2$ |
| Responsivity | @ 850 nm | | 0.65 | | A/W |
| Dark Current, Idr | Vr = 3 V | | 0.05 | 0.3 | nA |
| Shunt Resistance | $V_R$ = 10 mV | 200 | 1000 | | M Ω |
| Reverse Breakdown Voltage, $V_R$ | $I_R$ = 10 µA | 25 | | | Volts |
| Capacitance, C | $V_R$ = 0 V | | | 8 | pF |
| Rise Time | $V_R$ = 10 V | | 8 | 15 | nsec |

## Thermal Parameters

| Parameters | Units |
|---|---|
| Storage and Operating Temperature Range | -40°C to 110°C |
| Maximum Junction Temperature | 110°C |



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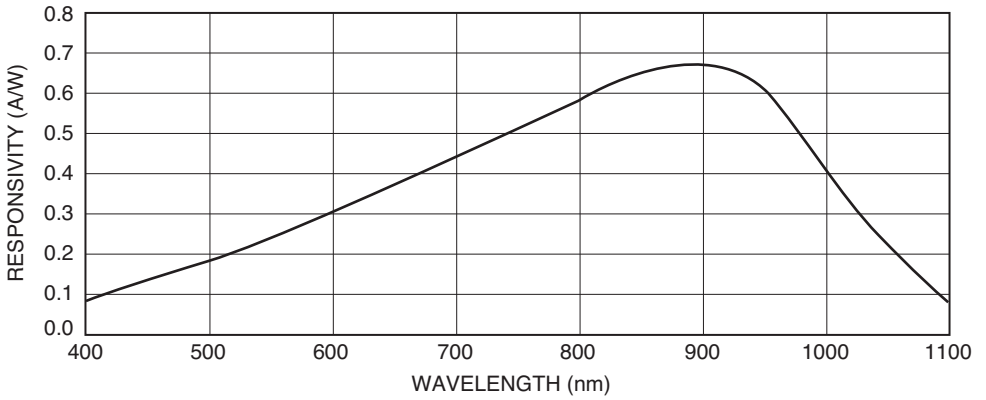
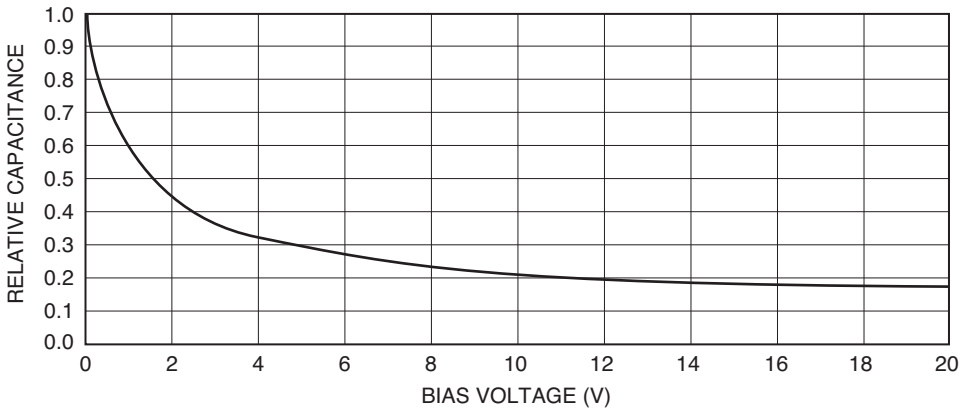
## Typical Spectral Response




## Capacitance vs Bias Voltage



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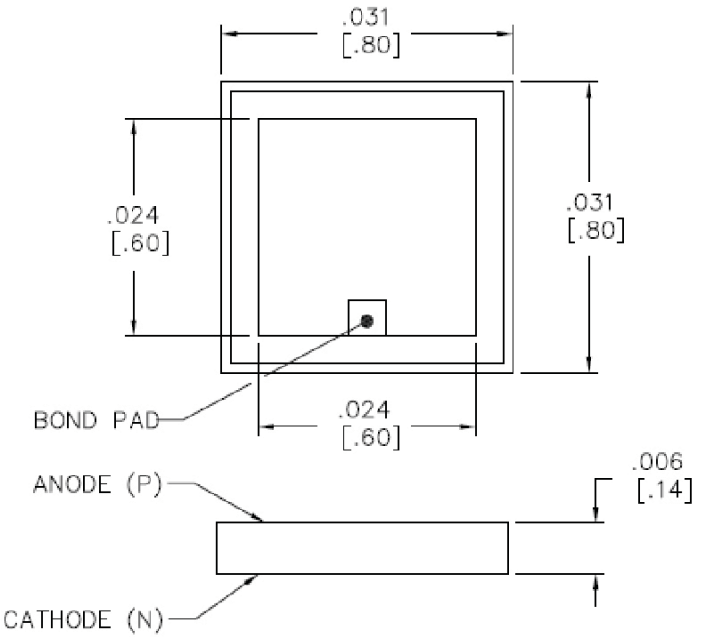
## Package Dimensions




Specifications are subject to change without prior notice.