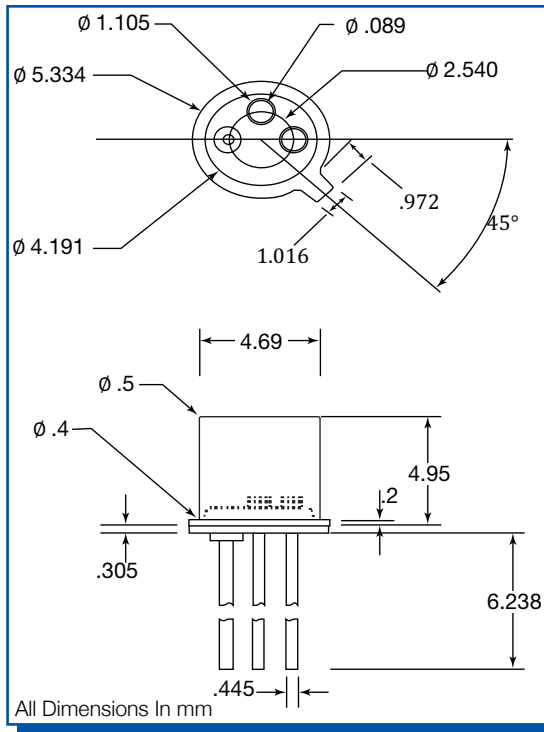


UV-A Photodetector



TO-46 Standard package with UV-glass windows cap

Description

UV-A detectors are small, robust, solid-state photodiodes fabricated using the III-V materials system. These detectors offer high quantum efficiency at wavelengths less than 360 nm and high rejection of response to visible and infrared wavelengths. These detectors are especially attractive for visible blind applications.

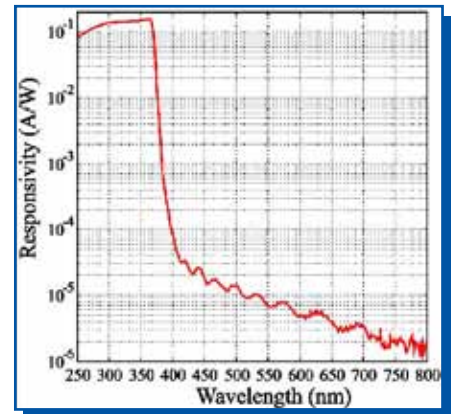
The standard package is a TO-46 header with cap. Other types of packaging are available including ones with built-in amplification.

Specifications

Active area	0.5 mm ²
Responsivity @ 360 nm	0.15 A/W typ.
Rejection @ > 400 nm	> 5x10 ³
Shunt resistance (-10 mV)	> 100 M Ω
Series resistance	< 1 k Ω
Package type	TO-46

Features

- UV Curing and Drying
- Combustion Monitoring
- Arc Detection
- Phototherapy
- Sterilization Control
- Spectroscopy
- Biological Agent Detection
- Solar Irradiance Measurement



GaN detectors have a sharp responsivity cutoff at about 360 nm.

