



# SVTA-UV-A Photodetector



SVTA-UV-A Detector

## Typical Applications:

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

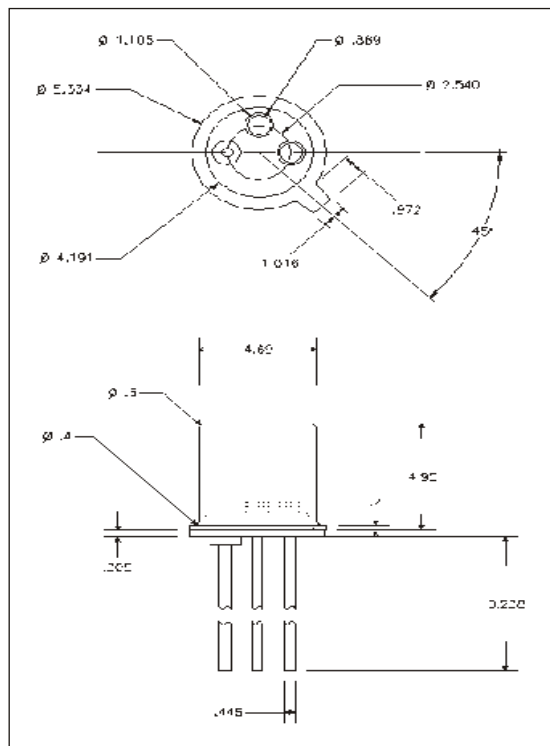
## Description

SVTA-UVA 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.

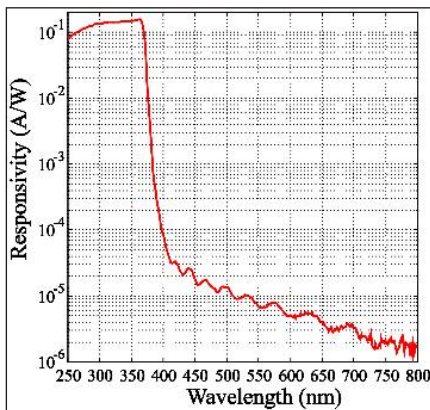
The standard package is a TO-46 header with cap. Other types of packaging are available including ones with built-in amplification.

## Specifications

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



TO-46 Standard package with UV-glass windows cap



GaN detectors have a sharp responsivity cutoff at about 360nm