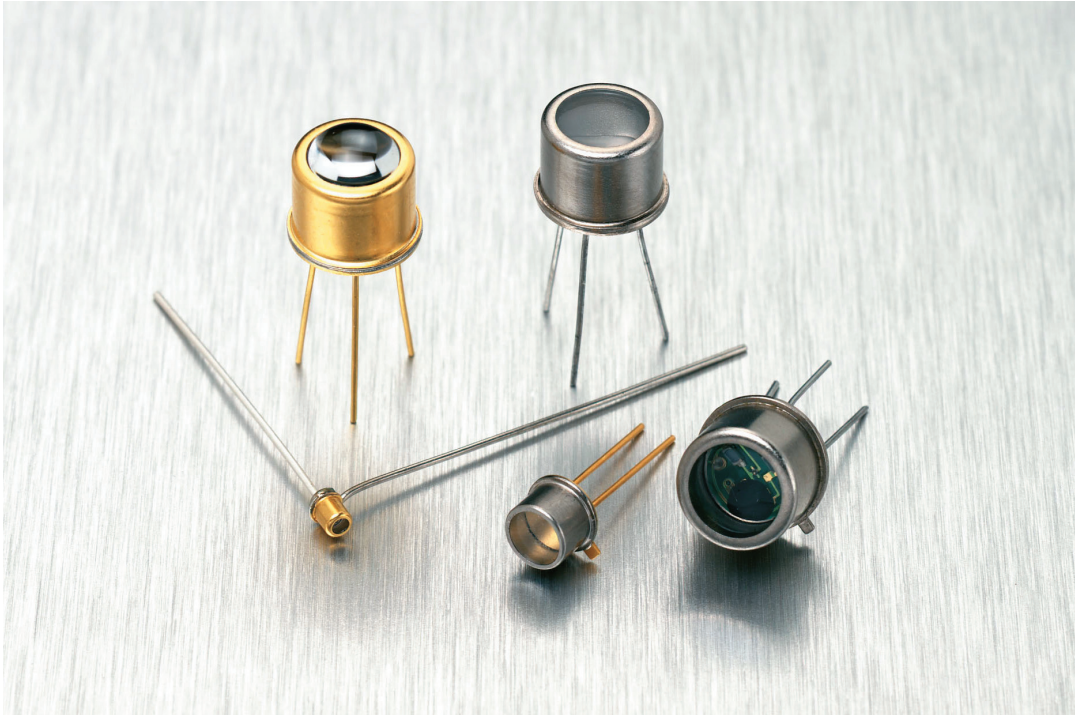


# UV 10.T2E.10F - Ultraviolet Detector

## High Sensitivity



### Description

The UV 10.T2E.10F series is made in TO-5 housing, with built-in amplifier, standard window. Optionally, various window types as shown on page 2 are available.

### Applications

- Burner Controls
- Industrial Controls
- Low-intensity Measurement

### Features

- High Sensitivity
- Built-in Amplifier
- Solar Blind

## UV 10.T2E.10F - Ultraviolet Detector High Sensitivity

Figure 1. Timing Diagram

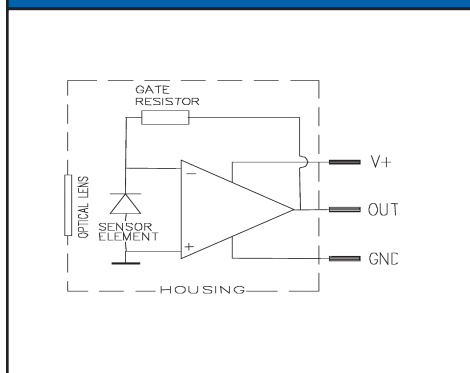


Figure 4. Package Dimensions

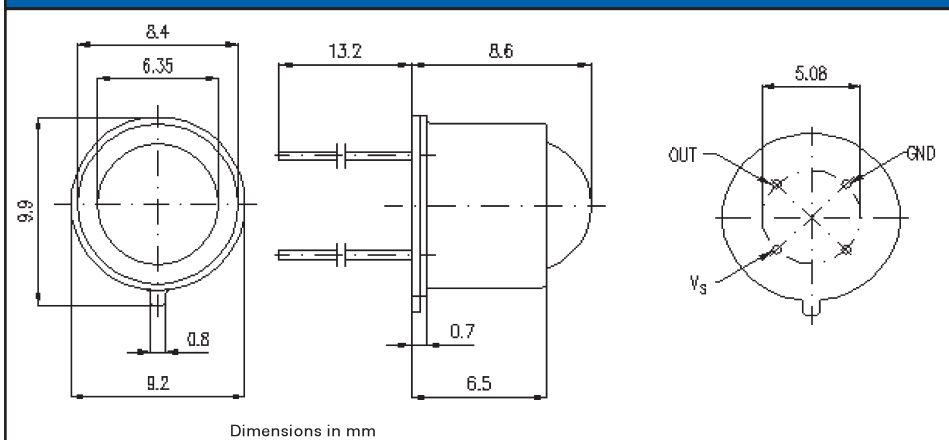


Figure 2. Spectral Curve

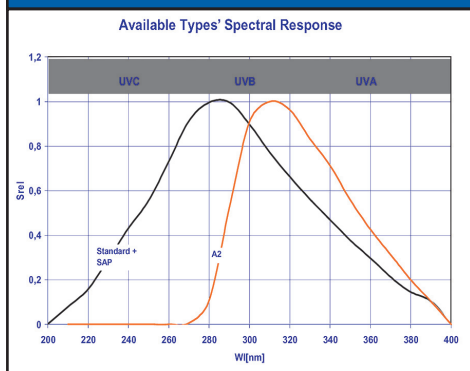
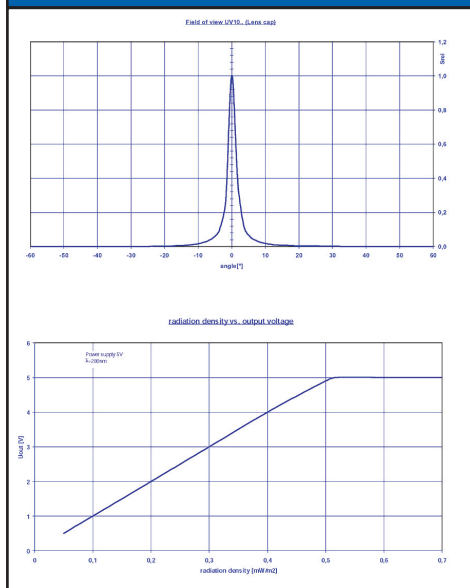


Table 1. UV 10.T2E.10F Specifications

Parameters	Typical	Units	Condition
Radiant sensitivity	4	V/nW	standard window
Responsivity	0.25	V/mW/m <sup>2</sup>	standard window
Spectral response	210-380	nm	5% of peak
Wavelength of pk response	280	nm	
Sensitive area	5.4 x 10 <sup>-2</sup>	mm <sup>2</sup>	active diode area
Selectivity	>10 <sup>-5</sup>		400...2000 nm
Operation voltage	2.5...5	V	
Signal output			Rail to Rail
Temperature coefficient	>0.3	%/°C	
Dark offset voltage	>5	mV	
Rise time	10	ms	t (63%)
Storage temperature	-20 to 80	°C	non permanent
Operating temperature	-20 to 80	°C	non permanent
Window transparency	>210	nm	

Figure 3.



For more information e-mail us at [opto@perkinelmer.com](mailto:opto@perkinelmer.com) or visit our website at [www.perkinelmer.com/optoelectronics](http://www.perkinelmer.com/optoelectronics)

All values are nominal; specifications subject to change without notice.

USA:  
PerkinElmer Optoelectronics  
44370 Christy Street  
Fremont, CA 94538  
Toll Free: (800) 775-OPTO (6786)  
Phone: +1-510-979-6500  
Fax: +1-510-687-1140

Europe:  
PerkinElmer Optoelectronics  
Wenzel-Jaksch-Str. 31  
D-65199 Weisbaden, Germany  
Phone: +49-611-492-570  
Fax: +49-611-492-165

Asia:  
PerkinElmer Optoelectronics  
47 Ayer Rajah Crescent #06-12  
Singapore 139947  
Phone: +65-6770-2022  
Fax: +65-6775-1008

