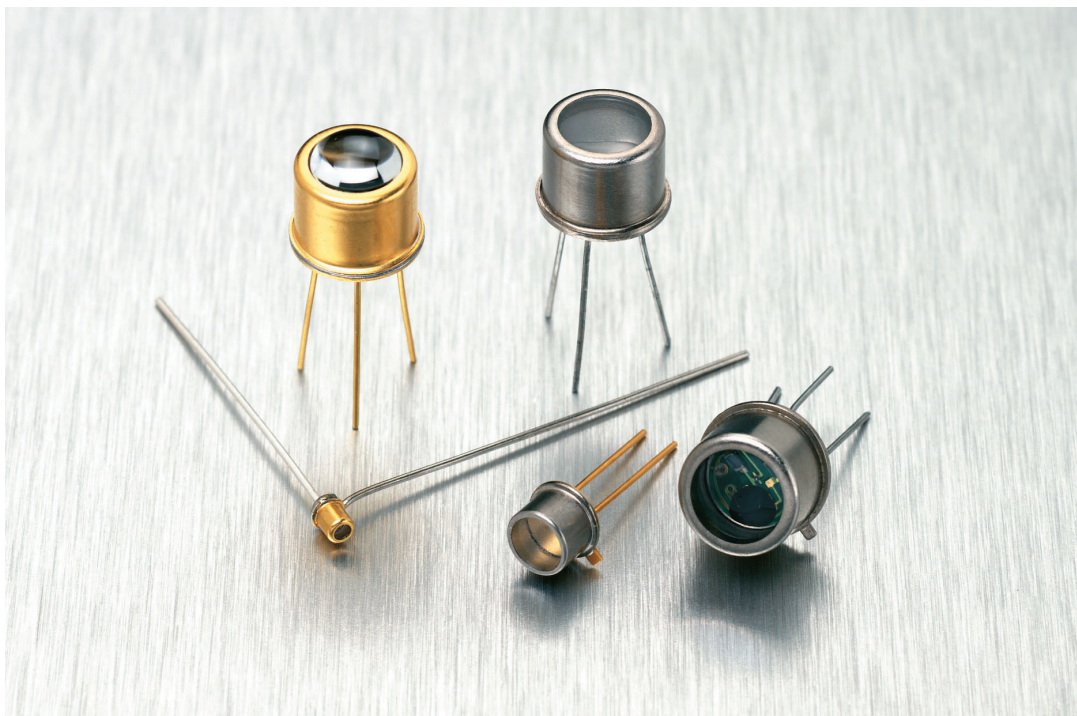


UV 10.T2E.10F - Ultraviolet Detector

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

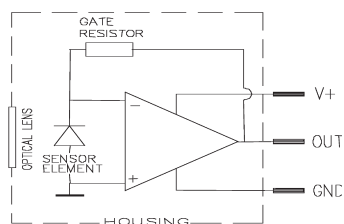


Figure 2. Spectral Curve

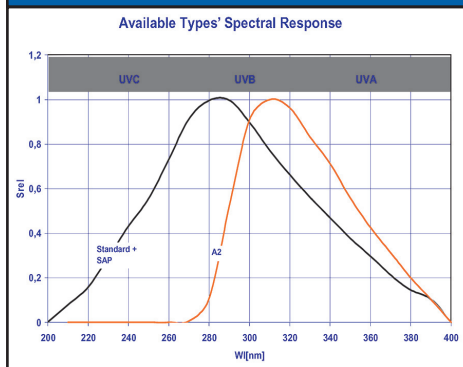


Figure 3.

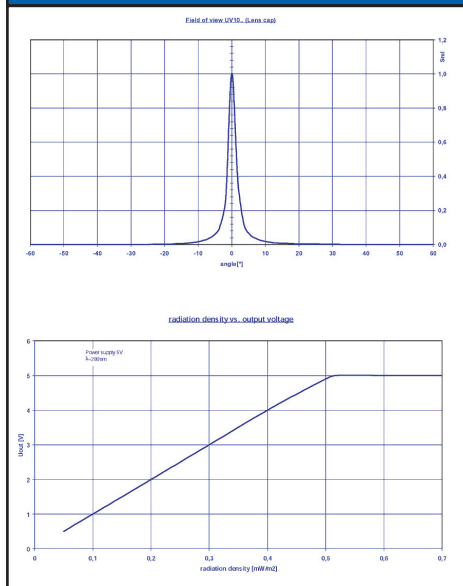


Figure 4. Package Dimensions

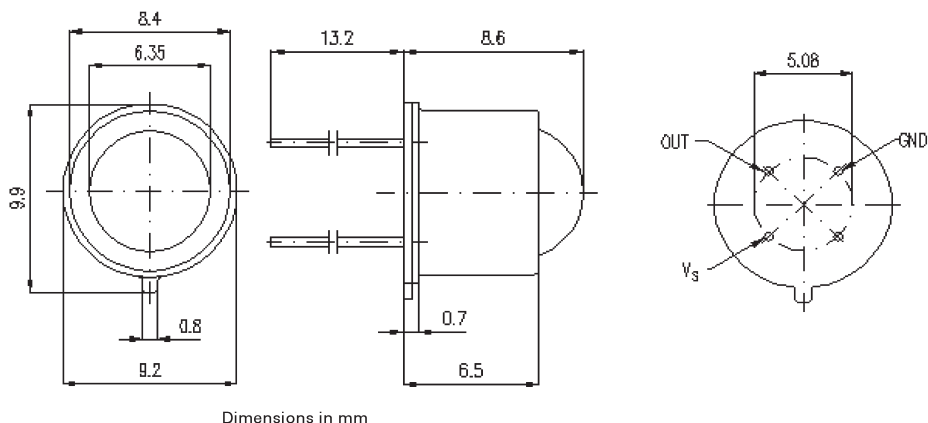


Table 1. UV 10.T2E.10F Specifications

Parameters	Typical	Units	Condition
Radiant sensitivity	4	V/nW	standard window
Responsivity	0.25	V/mW/m²	standard window
Spectral response	210-380	nm	5% of peak
Wavelength of pk response	280	nm	
Sensitive area	5.4×10^{-2}	mm²	active diode area
Selectivity	$>10^{-5}$		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	

For more information e-mail us at opto@perkinelmer.com or visit our website at www.perkinelmer.com/optoelectronics

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

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