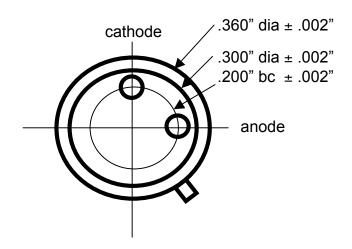
Deep UV Semiconductor Light Emitting Diodes (LEDs) Emission Range: 250nm to 350nm

Photon Systems in developing new families of deep UV semiconductor light emitting devices including light emitting diode (LEDs) and light emitting triodes (LETs). LED devices between 250 nm and 350 nm are available now.

Specifications	Model UV LED-280	Model UV LED-255	
CW output power:	>0.5 mW	>0.1 mW	
Center wavelength:	280 ± 10 nm	255 ± 10 nm	
Spectral linewidth:	<20nm FWHM	<20nm FWHM	
CW Drive current, forward:	<25 mA, max.	<25 mA, max.	
Reverse current:	<100uA max.	<100uA max.	
Operating voltage, reverse:	6 VDC		
Forward voltage:	7.5V max.		
Max.pulsed drive current:	200 mA at 1% duty cycle(50nsec max width)		
Package:	TO-39 hermetic package, per diagram below		
Window/Lens choices:	flat, hemispheric, or ball lens window		

Window/Lens style	Flat window	Hermispheric lens	Ball lens
Beam Pattern	60° wide area	6° divergent beam	2mm dia spot at
	lambertian pattern	pattern	20mm



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