

# DISCRETE LEDS

## T-1 (3mm), T-1<sup>3</sup>/<sub>4</sub> (5mm) UV LEDs

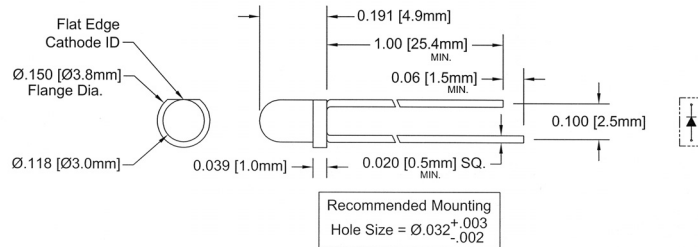


- Highly Efficient InGaN Materials Produce the Industry's Greatest Radiant Flux at 12mW
- Ideally Suited to Currency Validation, Medical, Test and Measurement and Security Applications
- Life: 1,000 Hours
- LEDs are Not Safe for Direct Viewing AEL Class 3 per IEC 825-1, EN-60825-1, EN60825-2 (Do not look directly at the light source)

### LED3-UV-XXX-30 Series

3mm Ultraviolet LED

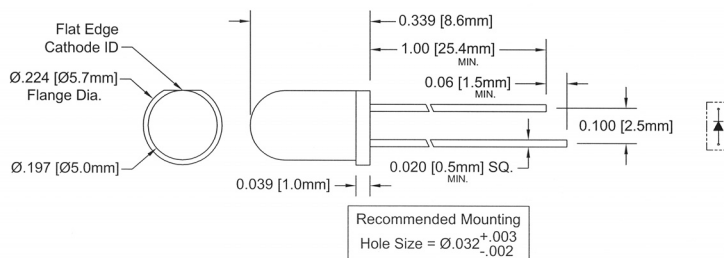
LED Part No.	Chip			Lens Appearance	Absolute Max. Ratings				Electro-Optical Data @20mA			Viewing Angle 2 θ 1/2 (deg)
	Material	Peak Wave Length λ <sub>p</sub> (nm)	Emitted Color		Δλ (nm)	Pd (mW)	If (mA)	Peak If (mA)	V <sub>f</sub> (V)		I <sub>v</sub> (mcd)	
									TYP	MAX	TYP	
LED3-UV-395-30	InGaN	395	BLUE UV	WATER CLEAR	60	100	30	100	3.7	4.0	11.0	30
LED3-UV-400-30	InGaN	400	BLUE UV	WATER CLEAR	60	100	30	100	3.7	4.0	12.0	30
LED3-UV-405-30	InGaN	405	BLUE UV	WATER CLEAR	60	100	30	100	3.7	4.0	12.0	30



### LED5-UV-XXX-30 Series

5mm Ultraviolet LED

LED Part No.	Chip			Lens Appearance	Absolute Max. Ratings				Electro-Optical Data @20mA			Viewing Angle 2 θ 1/2 (deg)
	Material	Peak Wave Length λ <sub>p</sub> (nm)	Emitted Color		Δλ (nm)	Pd (mW)	If (mA)	Peak If (mA)	V <sub>f</sub> (V)		I <sub>v</sub> (mcd)	
									TYP	MAX	TYP	
LED5-UV-395-30	InGaN	395	BLUE UV	WATER CLEAR	60	100	30	100	3.7	4.0	11.0	30
LED5-UV-400-30	InGaN	400	BLUE UV	WATER CLEAR	60	100	30	100	3.7	4.0	12.0	30
LED5-UV-405-30	InGaN	405	BLUE UV	WATER CLEAR	60	100	30	100	3.7	4.0	12.0	30



#### CAUTIONS: EMITS ULTRAVIOLET RADIATION

This device radiates intense ultraviolet (UV) light when operated. Exposure to UV radiation can be harmful to your health. Protect your eyes and skin during operation. Do not look directly at the device during operation. Exposure to UV light, even for a brief period, can damage your eyes. Do not operate the device unless you have had proper safety training and take appropriate precautions. **Do not permit children or untrained personnel to operate the device.**