

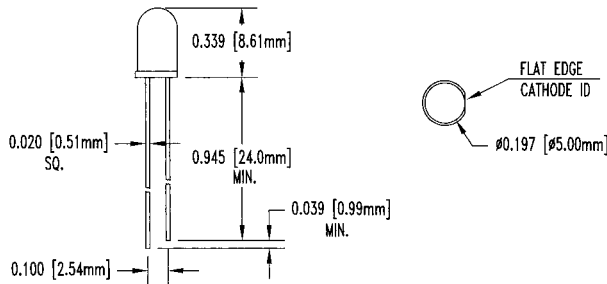
## High Power UV LEDs



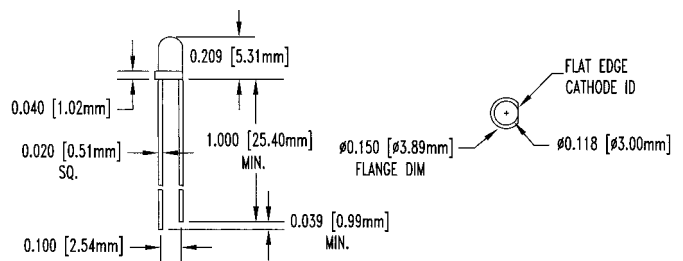
- ◆ Highly Efficient InGaN Materials Produce The Industry's Greatest Radiant Flux
- ◆ T-1 (3mm) and T-13/4 (5mm) Packages Available
- ◆ Ideally Suited To Currency Validation, Medical, Test And Measurement And Security Applications



### LED5-UV-400-30 SERIES 5mm Ultraviolet LED



### LED3-UV-400-30 SERIES 3mm Ultraviolet LED



#### Maximum Ratings (TA = 25°C)

DC Forward Current	30mA
Peak Forward Current 1/10 duty @ 1kHz	100mA
LED Junction Temperature	125°C
Reverse Voltage	5 V
Operating Temperature Range	-20°C~+80°C
Storage Temperature Range	-20°C~+100°C
Electrostatic Discharge Threshold	400V
Electrostatic Discharge Class (MIL-STD-883E)	Class 1

Parameter	Condition	Symbol	Minimum	Typical	Maximum	Unit
Dominant Wavelength	iF=20mA	$\lambda_D$	390	400	410	nm
Forward Voltage	iF=20mA	V <sub>F</sub>	3.6	3.8	4.0	V
Reverse Current	V <sub>r</sub> =5V	I <sub>r</sub>			10	$\mu$ A
Luminous Intensity	iF=20mA	I <sub>v</sub>	200	350		mcd
Viewing Angle	iF=20mA	$2_{1/2}$		30		degrees
Radiant Flux		P <sub>r</sub>	10.0	12.0		mW

#### 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.**