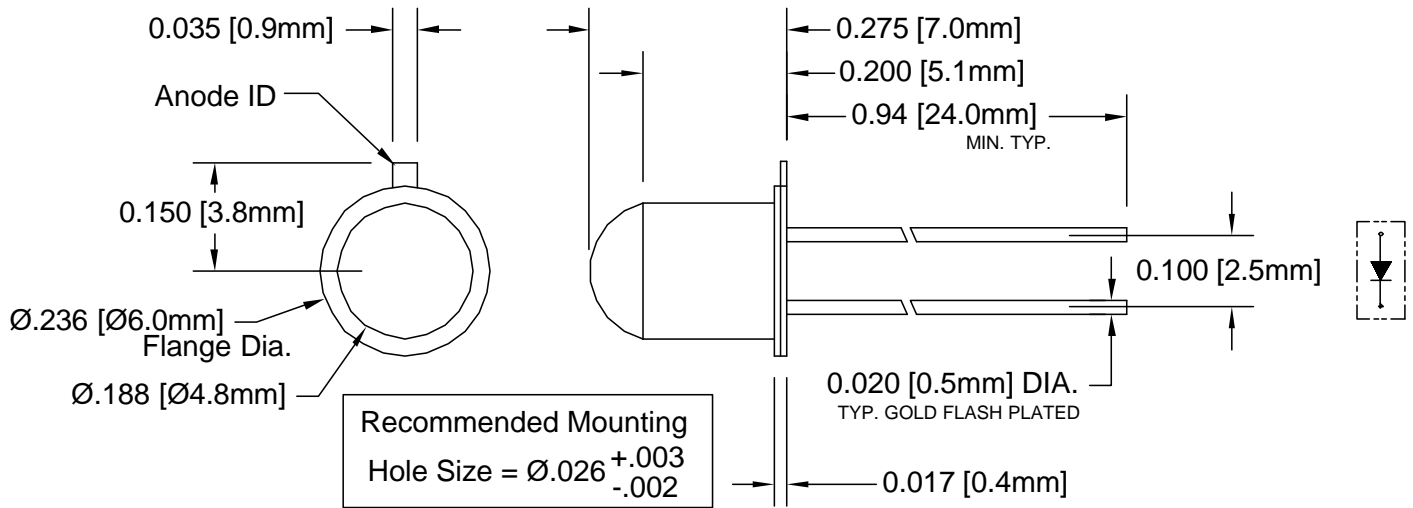


REV.	DESCRIPTION	DATE	APPROVED
B	Engineering Update, Corrected Δλ	03/10/04	M. C.
C	Specification Update, EMN-UVLED1	08/21/06	M. C.




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 this 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.

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

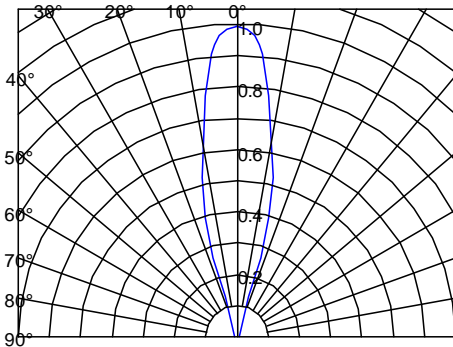
ELECTROSTATIC DISCHARGE THRESHOLD (HBM)	_____	1000V
ELECTROSTATIC DISCHARGE CLASSIFICATION (MIL-STD-883E)	_____	CLASS 2 (CLASS 1 FOR UV)
LED JUNCTION TEMPERATURE	_____	125°C
REVERSE VOLTAGE	_____	5V
REVERSE CURRENT (V _R = 5V)	_____	10µA
OPERATING TEMPERATURE RANGE	_____	-25°C ~ 85°C
STORAGE TEMPERATURE	_____	-30°C ~ 100°C
LEAD SOLDERING TEMPERATURE(1/16" FROM BODY)	_____	260°C FOR 5 SECONDS

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED)		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
DECIMALS	ANGULAR		
.X ± .1	X° ± 1°		
.XX ± .02		TITLE: TO92 UV LED	
.XXX ± .010		PART NO: UV-XXX-TO92	
DESIGNED: David Green	DATE: 05/19/03	REVISION: C	
CHECKED: M. Chen	DATE: 05/19/03	CAGE CODE: 32559	SHEET # 1 OF 2
<small>CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.</small>			

REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		



LED Part No.	Chip						Lens Appearance	Absolute Max. Ratings				Electro-Optical Data @ 20mA				Viewing Angle 2θ ½ (Deg)
	Material	Emitted Color	Peak Wave Length λp(nm)			Dom. Wave Length λd(nm)		Δλ (nm)	Pd (mW)	If (Typ) (mA)	Peak If(mA)	Vf (V)		Rad. Flux P(mW)	Optical Rise Time (t.ns)	
			MIN	TYP	MAX	TYP						TYP	MAX			
UV-395-TO92	InGaN	BLUE UV	390	395	400	430	WATER CLEAR	13	100	30	100	3.7	4.0	5.0	30	30
UV-405-TO92	InGaN	BLUE UV	400	405	410	430	WATER CLEAR	13	100	30	100	3.7	4.0	5.6	30	30

Radiation Pattern, 30°



NOTES:

- Product resistance to electrostatic discharge (ESD) is measured by simulating ESD using a rapid avalanche energy test (RAET). The RAET procedures are designed to approximate the maximum ESD ratings shown. Seller gives no other assurances regarding the ability of Products to withstand ESD.
- LED power rating is the average power rating for the LEDs 20,000 hour lifespan.
- Driving LEDs at greater than the recommended current will increase the degradation of the LED.

STANDARD TOLERANCE (UNLESS OTHERWISE SPECIFIED) +10 % ALL VALUES. ANGULAR X° ± 5°		 4 THOMAS, IRVINE, CA. 92618 TEL: (949) 951-8808 FAX: (949) 951-3974	
		TITLE: T092 UV LED	
DESIGNED: David Green	DATE: 05/19/03	PART NO: UV-XXX-TO92	REVISION: C
CHECKED: M. Chen	DATE: 05/19/03	CAGE CODE : 32559	SHEET # 2 OF 2
CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.			