



# Deep UV LED

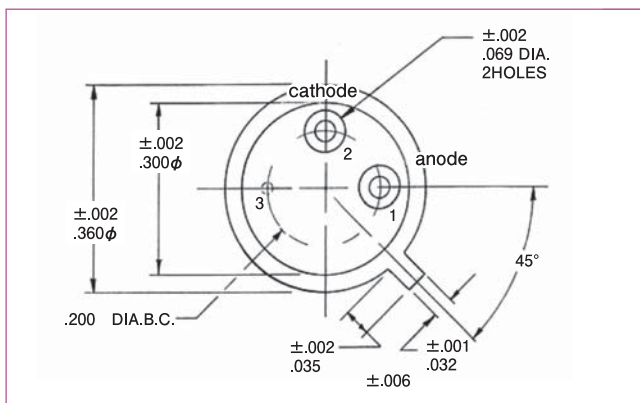
短波長 UV LED

## UVTOP<sup>®</sup>

240-365 nm UV LED in TO-18, TO-39 package AVAILABLE

### UVTOP<sup>®</sup>365...240 MEMOCVD<sup>™</sup>

The **UVTOP<sup>®</sup>** is a series of ultraviolet and deep ultraviolet hermetically packaged light emitting diodes with peak emission wavelengths in the range of 240 nm to 365 nm. A **MEMOCVD<sup>™</sup>** grown AlGaIn/GaN LED chip/chip array is encapsulated in a metal-glass TO-18, TO-39 package with UV-transparent optical window.



Customer may freely choose from any combination.



## Specifications

### Absolute Maximum Ratings

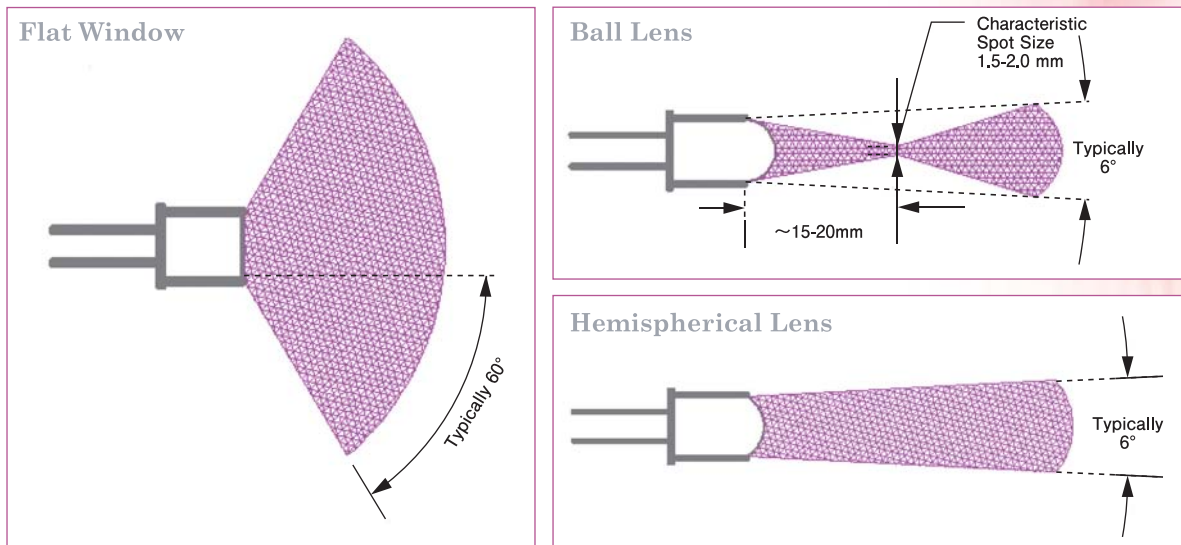
[UVTOP® -280, Ta=25° C, one chip assembly, **research grade**]

Parameter	Unit	Maximum rated value	Ambient Temperature
Power Dissipation, DC	mW	150	25° C
Forward current, DC	mA	30	25° C
Pulse Forward Current (duty factor=1%, frequency=1kHz)	mA	200	25° C
Reverse Voltage	V	6	25° C
Storage Temperature	° C	-30 ~ +100	

### Electro-optical characteristics [UVTOP® -280, Ta=25° C, **research grade**]

Parameter	Symbol	Unit	Minimum	Typical	Maximum	Condition
Forward voltage	VF	V		5.5	7.5	IF=20mA
Reverse Current	IR	μA			100	VR=5V
<b>Output UV power</b>	<b>Pout</b>	<b>mW</b>		<b>0.5</b>		<b>IF=20mA</b>
Peak Wavelength	λp	nm	270	280	290	IF=20 mA
Spectrum Half Width	HW	nm		12.0	20.0	IF=20mA

## UVTOP® LEDs Emission Pattern



\* 本カタログに記載された会社名・製品名は、一般に各社の商標または登録商標です。\* 仕様およびデザインは改良のため予告なく変更される場合があります。

■輸入販売元

**Caviart®** 株式会社 キャビアール  
 〒152-0035 東京都目黒区自由が丘3-5-22  
 TEL.03-5731-5501 (代表) FAX.03-5731-5520  
 E-mail : info@caviart.jp  
 ●事業所 川崎・香港

<http://www.caviart.jp>

■お問い合わせは