

## 270 nm UV LED in TO-39 package

### UVTOP™270

### MEMOCVD™

The UVTOP™ is a series of ultraviolet and deep ultraviolet hermetically packaged light emitting diodes with peak emission wavelengths in the range of 250 nm to 365 nm. A MEMOCVD™- grown AlGaIn/GaN LED chip/chip array is encapsulated in a metal-glass TO-39 package with UV-transparent optical window.

#### Absolute Maximum Ratings

[UVTOP™ -270, 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™ -270, 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
Peak Wavelength	λp	nm	260	270	280	IF=20 mA
Spectrum Half Width	HW	nm		12.0		IF=20 mA

