

250-260 nm UV LED in TO-39 package

UVTOP[®]255

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[®] -255, 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[®]255, Ta=25° C, **research grade]**

Parameter	Symbol	Unit	Minimum	Typical	Maximum	Condition
Forward voltage	VF	V		6.5	8.0	IF=20mA
Reverse Current	IR	μA			100	VR=5V
Peak Wavelength	λp	nm	250	255	260	IF=20 mA
Spectrum Half Width	HW	nm		12.0		IF=20 mA

