

**250-365 nm UV LED**  
**TO-39 package**

**UVTOP<sup>®</sup> 250...365**

**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 250 nm to 365 nm. A **MEMOCVD<sup>®</sup>**- 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<sup>®</sup> -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<sup>®</sup> -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=20 mA

