



UVC-265

- 265 nm
- 0.7 mW
- Several packaging options
- Structure: AlGaN



Description

UVC-265 is an AlGaN based, narrow bandwidth, 265nm LED available in different configurations. Deep UV LEDs are widely used for water sterilization, air purification, germicidal and medical applications, diagnostics, and laboratory testing.

Maximum Ratings

Parameter	Symbol	Values		Unit
		Min.	Max.	
Power Dissipation	P_D		220	mW
Forward Current	I_F		40	mA
Reverse Voltage ($I_R=10\mu A$)	V_R		>4	V
Reverse Current ($V_R=5V$)	I_R		<20	μA
Operating Temperature	T_{OPR}	-20	50	$^{\circ}C$
Storage Temperature	T_{STG}	- 20	85	$^{\circ}C$
Soldering Temperature (max.5s)	T_{SOLDER}		190	$^{\circ}C$

Specifications ($T_{CASE} = 25^{\circ}C$, $I_F = 20$ mA)

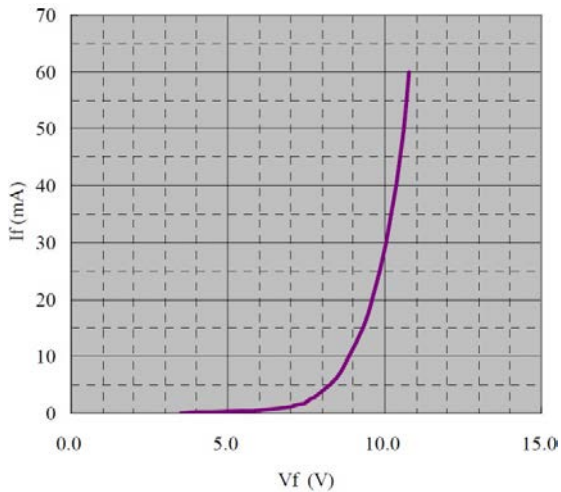
Parameter	Symbol	Values			Unit
		Min.	Typ.	Max.	
Peak Wavelength	λ_{peak}	260	265	270	nm
Optical Output Power	P_O		0.7		mW
Spectral width	$\Delta\lambda$		11		nm
Operating Voltage	V_F		9.5		V
Life Time	T_L		20		h



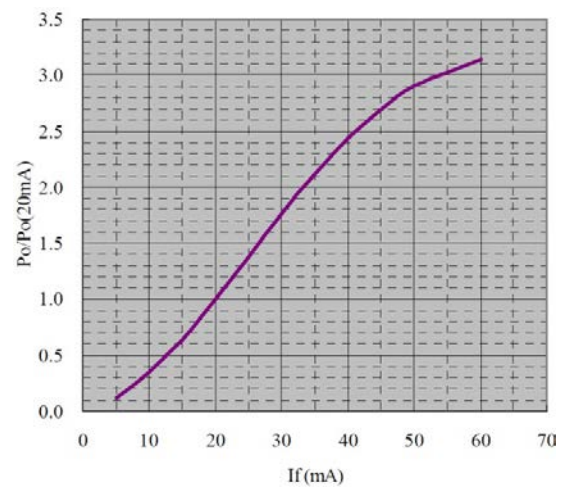


Performance Characteristics

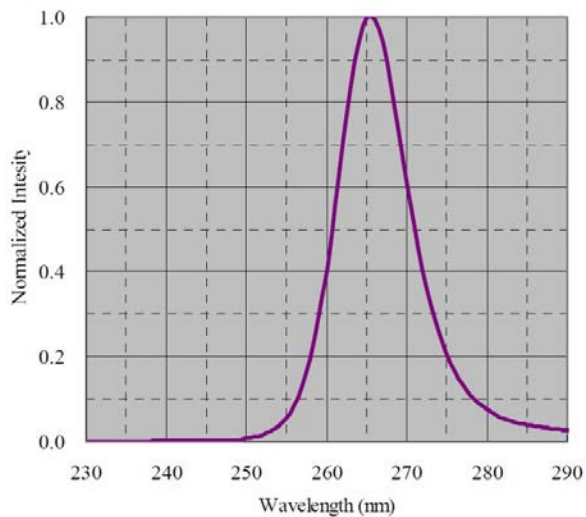
Forward Current vs. Forward Voltage



Relative Output vs. Forward Current

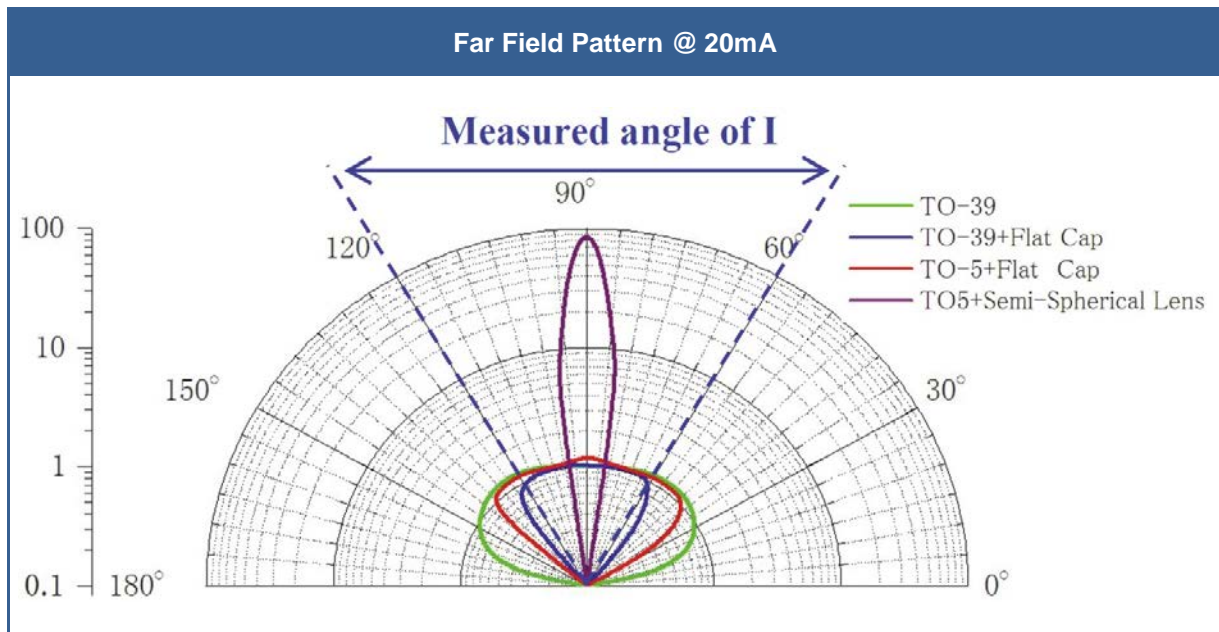


Relative Intensity vs. Wavelength





Optical Characteristics



Packaging Options

Designation	Description
UVC-265OC	TO-39, open can
UVC-265FW	TO-39, flat window
UVC-265HL	TO-39, hemispherical lens