

UVTOP355

Absolute Maximum Ratings at $T_A = 25\text{ }^\circ\text{C}$

Parameter	Unit	Maximum Rated Value
Power Dissipation, DC	mW	180 (TO-39)
Forward Current, DC	mA	30
Pulse Forward Current (Duty Factor = 1%, Frequency = 1KHz)	mA	200
Reverse Voltage	V	6
Operating Temperature Range	$^\circ\text{C}$	- 30 to + 55
Storage Temperature	$^\circ\text{C}$	- 30 to +100

Electro-Optical Characteristics at $T_A = 25\text{ }^\circ\text{C}$, $I_F = 20\text{ mA}$

Peak Wavelength λ_p (nm)	PKG Type	Lens Type	Part Number	Optical Power P_{out} (μW)		Forward Voltage V_F (V)		Viewing Angle $2\theta_{1/2}$ ($^\circ$)	FWHM (nm)	
				Min	Typ.	Typ.	Max		Typ.	Max
365 Min: 355 nm Max: 375 nm	TO-18	FW	UVTOP355 TO18FW	480	800	4.5	6.5	120	15	20
		BL	UVTOP355 TO18BL	480	800	4.5	6.5	10	15	20
	TO-39	FW	UVTOP355 TO39FW	480	800	4.5	6.5	120	15	20
		HS	UVTOP355 TO39HS	330	550	4.5	6.5	7	15	20
		BL	UVTOP355 TO39BL	480	800	4.5	6.5	7	15	20
		TFW	UVTOP355 TO39TFW	195	325	4.5	6.5	120	15	20
		TFWR	UVTOP355 TO39TFWR	390	650	4.5	6.5	120	15	20

Notes:

Peak wavelength measurement tolerance is +/- 3 nm

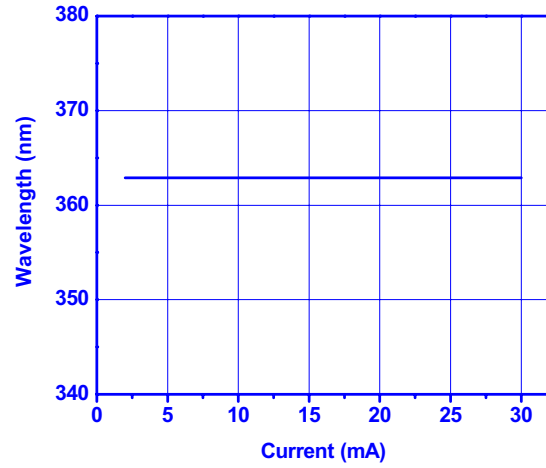
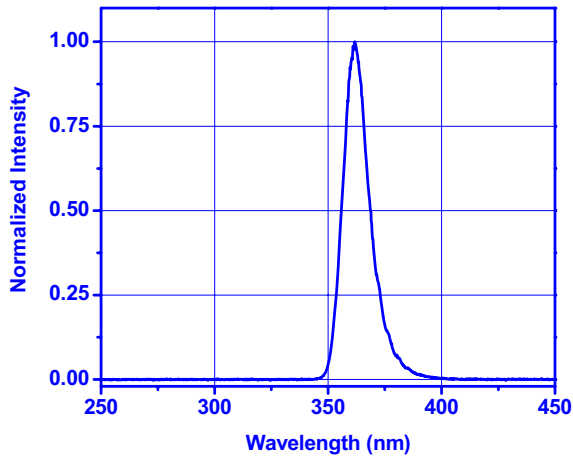
Optical power output measurement tolerance is +/- 10%

Forward voltage measurement tolerance is +/- 2%

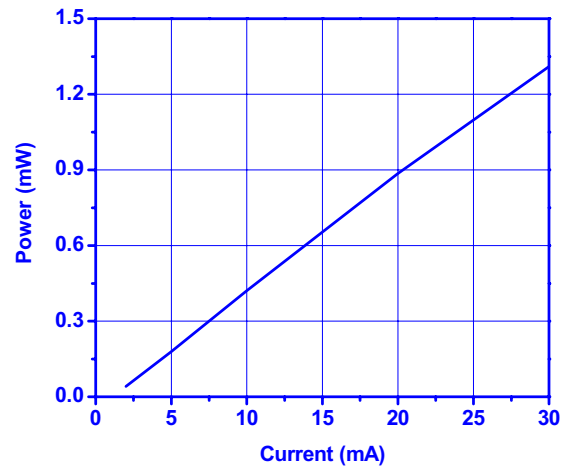
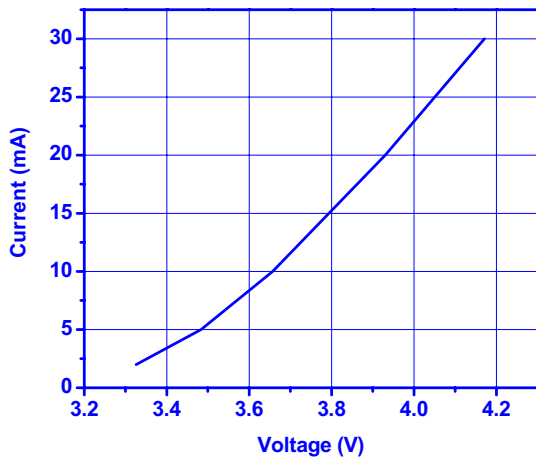


- This UV LED radiates intense UV light during operation. Do not expose any part of a human body to UV light. This can be harmful especially to the eyes and skin, even for a brief period due to the intense UV light.
- If viewing the UV light is necessary, please use UV filtered glasses to avoid damage by the UV light.
- If the UV LED in your product might be viewed directly, please affix a caution label to your production to that effect.

Typical Spectral Characteristics



Typical LED Performance at $T_A = 25^\circ\text{C}$ (UVTOP355TO39HS)



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