UVTOP335

Absolute Maximum Ratings at $T_A = 25\ ^oC$

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	^oC	- 30 to + 55
Storage Temperature	^oC	- 30 to +100

Electro-Optical Characteristics at $T_A = 25\ ^oC$, $I_F = 20$ mA

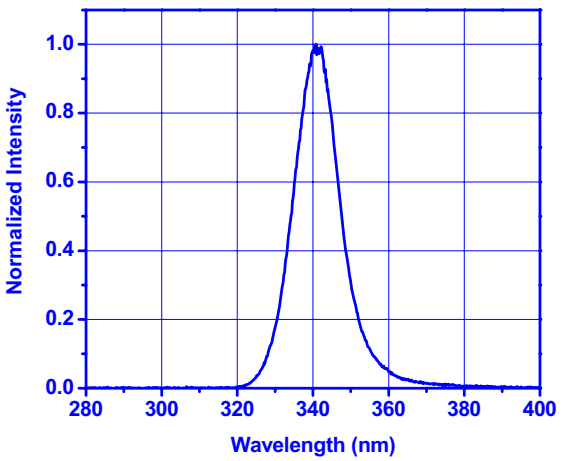
Peak Wavelength λ_p (nm) Typical	PKG Type	Lens Type	Part Number	Optical Power P_{out} (µW)		Forward Voltage V_F (V)		Viewing Angle $2\theta_{1/2}$ (^{o})	FWHM (nm)	
				Min	Typ.	Typ.	Max	Typ.	Typ.	Max
340 Min: 335 nm Max: 345 nm	TO-18	FW	UVTOP335 TO18FW	210	350	5.0	6.2	120	15	20
		BL	UVTOP335 TO18BL	210	350	5.0	6.2	10	15	20
	TO-39	FW	UVTOP335 TO39FW	240	400	5.0	6.2	120	15	20
		HS	UVTOP335 TO39HS	180	300	5.0	6.2	7	15	20
		BL	UVTOP335 TO39BL	240	400	5.0	6.2	7	15	20
		TFW	UVTOP335 TO39TFW	120	200	5.0	6.2	120	15	20
		TFWR	UVTOP335 TO39TFWR	165	275	5.0	6.2	120	15	20

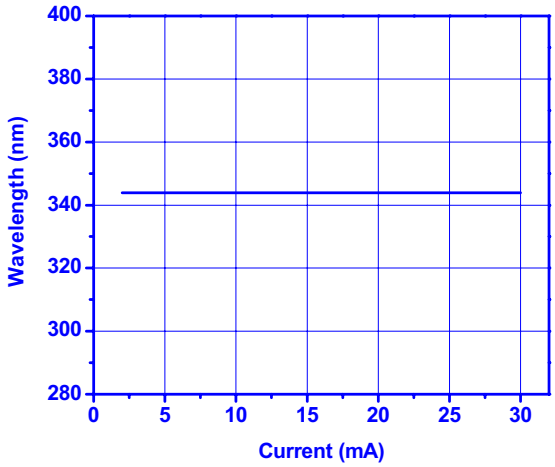
Notes:
Peak wavelength measurement tolerance is +/- 2 nm
Optical power output measurement tolerance is +/- 10%
Forward voltage measurement tolerance is +/- 2%

WARNING

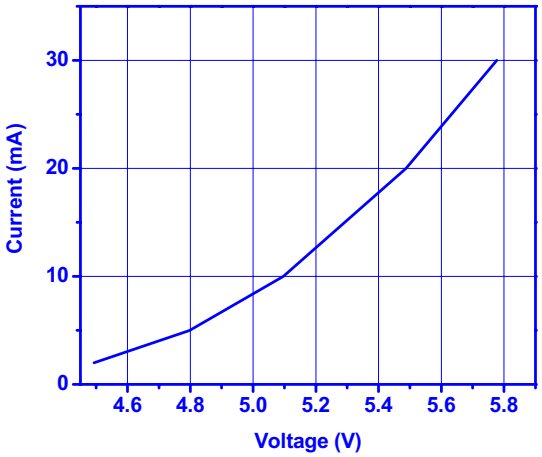
- This UV LED radiates intense UV light during operation. Do not expose any part of a human body to UV light. This can be harmful especially to the eyes and skin, even for a brief period due to the intense UV light.
- If viewing the UV light is necessary, please use UV filtered glasses to avoid damage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

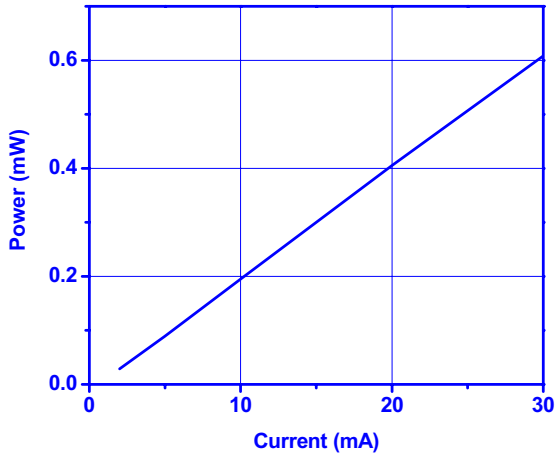
Typical Spectral Characteristics





Typical LED Performance at $T_A = 25^oC$ (UVTOP335TO39BL)





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