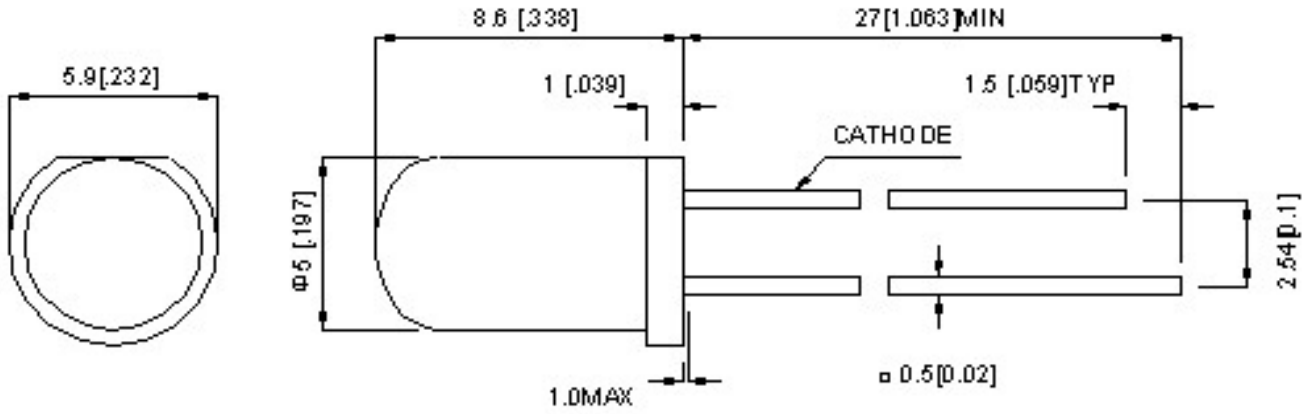
Part Number: 5mm UV

Unit：mm



Part Number	Chip		
5mmUV	**Material**	**Emitting Color**	**λ P(nm)**
	AlGaInP	UV	395-400

Absolute Maximum Rating at Ta=25℃

Parameter	MAX.	Unit\
Power Dissipation	100	mW
Peak Forward Current (1/10 Duty. Cycle. 0.1ms Pulse width)	100	mA
Continuous Forward Current	35	mA
Derating Linear From 50℃	0.4	mA /℃
Reverse Voltage	5	V
Operating Temperature Range	-40℃ to +80℃	
Storage Temperature Range	-40℃ to +80℃	
Lead Soldering Temperature (4mm(,157") From Body)	260℃ for 5 Seconds	

Electrical Optical Characteristics at Ta=25℃

Parameter	Symbol	Min.	Typ.	Max.	Unit.	Test Condition
Luminous Intensity	Iv	200	250	300	mcd	I_F=20mA (Note 1)
Viewing Angle	$2\theta_{1/2}$	--	20	--	Deg	(Note 2)
Peak Emission Wavelength	λ P	395		400	nm	
Dominant Wavelength	λ d	/	/	/	nm	(Note 3)
Spectral Line Half-Width	Δ λ	--	20	--	nm	
Forward Voltage	Vf	3.0	3.1	3.2	V	I_F=20mA
Reverse Current	Ir			10	μA	V_R=5V

Note:

1. Luminous Intensity is measured with a light sensor and filter combination that approximates the CIE eye-response crave.
2. $\theta_{1/2}$ is the off-axis angle at which the Luminous Intensity is half the axial luminous intensity.
3. The dominant Wavelength(λ d) is derived from the CIE chromaticity diagram and represents the single Wavelength which defines the color of the device.