

Part No.:FLUV-5203L-C

► Features:

- Standard Ø5mm super bright **UV** lamp LED
- **Milky diffused** epoxy lens
- High intensity, reliability and long life
- Environmental friendly, RoHs compliant
- Mainly used in lighting area or as signal lamp



► Maximum ratings(T_a =25°C)

Characteristic	Symbol	Condition	Rating		Units
			Min.	Max.	
Reverse voltage	V _R	I _R = 10µA	7	—	V
DC forward current	I _F	—	—	30	mA
Power dissipation	P _D	—	—	108	mW
Pulse forward current	I _{FP}	0.1 duty cycle, 0.1ms pulse width	—	100	mA
Operating temperature	T _{OPR}	—	-30	+85	°C
Storage temperature	T _{STG}	—	-40	+100	°C
Lead soldering temperature	T _{SLD}	3mm (.118") from body	265°C for 5 Seconds		

► Electro & optical characteristics (T_a = 25°C)

Item	Symbol	Test Condition	Value			Unit
			Min.	Type	Max.	
Forward voltage	V _F	I _F = 20mA	2.8	3.2	3.6	V
Reverse current	I _R	V _R = 7V	—	—	10	µA
Dominate wavelength	λ _D	I _F = 20mA	380	—	385	nm
			390	—	395	
Spectral line half-width	Δλ	I _F = 20mA	—	20	—	nm
Viewing angle	2θ ^{1/2}	I _F = 20mA	25	30	35	Deg.
Optical power	P _O	I _F = 20mA	2.0	2.5	—	mW

Note: 1. 2θ^{1/2} is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
 2. Measurement allowance: V_F is ±0.05V, P_O is ±10%, λ_d is ±1nm

► Outline&Packing &Cautions

	<p>Remark:</p> <ul style="list-style-type: none"> ■ All dimensions are millimeters (inches) ■ Tolerance is ±0.1 unless otherwise stated. <p>Packing:</p> <ul style="list-style-type: none"> ■ Packing method: antistatic plastic bag ■ 500pcs/bag ■ Net weight:0.30kg/K <p>Cautions:</p> <ul style="list-style-type: none"> ■ UV light is harmful to eyes, so must be avoid direct lighting to eyes. ■ Note:Industry standard procedures regarding static must be observed when handing the product.
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