

Part No.:FLCW-5203L-C

► Features:

- Standard Ø5mm super bright **WHITE** 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	
Color Temperature	Warm white	I _F = 20mA	CCT	2700K	3000K	3300K	—
	White			5000K	5500K	6500K	
	Cool white			7000K	8500K	—	
Viewing angle	2θ _{1/2}	I _F = 20mA	25	30	35	Deg.	
Luminous intensity	I _V	I _F = 20mA	3000	5000	—	mcd	

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, I_V is ±10%, CCT is ±100K

► 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"> ■ Warning:Care must be taken when viewing the product at closed range as the light may be intense enough to cause damage to eye. ■ Note:Industry standard procedures regarding static must be observed when handing the product.
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