

**Part No.:FLBL-5403L-C**

**► Features:**

- Standard Ø5mm super bright **BLUE** lamp LED
- **Blue 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<sub>a</sub> =25°C)**

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

**► Electro & optical characteristics (T<sub>a</sub> = 25°C)**

Item	Symbol	Test Condition	Value			Unit
			Min.	Type	Max.	
Forward voltage	V <sub>F</sub>	I <sub>F</sub> = 20mA	2.8	3.2	3.6	V
Reverse current	I <sub>R</sub>	V <sub>R</sub> = 7V	—	—	10	µA
Dominate wavelength	λ <sub>D</sub>	I <sub>F</sub> = 20mA	465	470	475	nm
Peak emission wavelength	λ <sub>P</sub>	I <sub>F</sub> = 20mA	—	—	473	nm
Spectral line half-width	Δλ	I <sub>F</sub> = 20mA	—	20	—	nm
Viewing angle	2θ <sup>1</sup> / <sub>2</sub>	I <sub>F</sub> = 20mA	25	30	35	Deg.
Luminous intensity	I <sub>V</sub>	I <sub>F</sub> = 20mA	300	500	—	mcd

**Note:** 1. 2θ<sup>1</sup>/<sub>2</sub> is the off-axis angle at which the luminous intensity is half the axial luminous intensity.  
 2. Measurement allowance: V<sub>F</sub> is ±0.05V, I<sub>V</sub> is ±10%, λ<sub>d</sub> is ±1nm

**► Outline&Packing &Cautions**

	<p><b>Remark:</b></p> <ul style="list-style-type: none"> <li>■ All dimensions are millimeters (inches)</li> <li>■ Tolerance is ±0.1 unless otherwise stated.</li> </ul> <p><b>Packing:</b></p> <ul style="list-style-type: none"> <li>■ Packing method: antistatic plastic bag</li> <li>■ 500pcs/bag</li> <li>■ Net weight:0.30kg/K</li> </ul> <p><b>Cautions:</b></p> <ul style="list-style-type: none"> <li>■ Warning:Care must be taken when viewing the product at closed range as the light may be intense enough to cause damage to eye.</li> <li>■ Note:Industry standard procedures regarding static must be observed when handing the product.</li> </ul>
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