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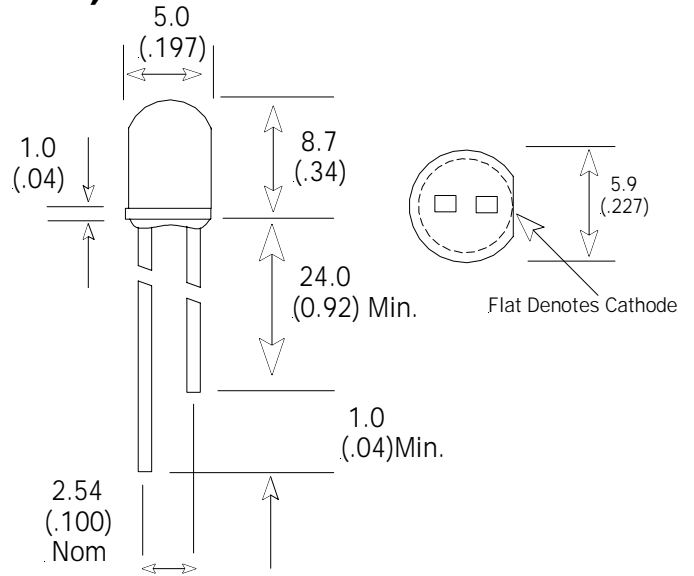
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**MCDL-513SBC4 (5MM 470nm Blue 25°)**

Lens Color: **Water Clear**  
 Lens Dimension: **5 mm**



**Absolute Maximum Ratings At Ta = 25° C**

<u>Parameter</u>	<u>Max</u>	<u>Unit</u>
DC Forward Current (mA)	<b>20</b>	<b>mA</b>
Reverse Voltage	<b>5</b>	<b>V</b>
Power Dissipation (mW)	<b>200</b>	<b>mW</b>
Continuous forward Current (mW)	<b>100</b>	<b>mW</b>
Peak Forward Current, $t_w = 1$ msec. Duty $\leq 1/20$	<b>500</b>	<b>mA</b>
Operation Temperature (°C)	<b>-40° - +85°</b>	
Storage Temperature (°C)	<b>-40° +100°</b>	
Solder DIP (5 seconds, 1.6 mm from body) Temperature	<b>260</b>	<b>± 5°C</b>

**Electrical Characteristics At Ta= 25°C**

<u>Symbol</u>	<u>Parameter</u>	<u>Test Cond.</u>	<u>Min.</u>	<u>Typ.</u>	<u>Max.</u>	<u>Unit</u>
$V_F$	Forward Voltage	$I_F = 20mA$	<b>3.20</b>	<b>3.60</b>	<b>4.30</b>	<b>V</b>
$I_R$	Reverse Current	$V_R = 5V$	<b>**</b>	<b>**</b>	<b>10</b>	<b>µA</b>

<b>Part Number</b>	<b>Emitted Color</b>		<b>Peak Wavelength λ PEAK</b>	<b>Viewing Angle 2θ Degrees</b>	<b>I<sub>v</sub> (I<sub>F</sub> = 20mA)</b>		
					<b>Min</b>	<b>Typ</b>	<b>Max</b>
MCDL-513SBC4	InGaN	Blue	470	25	2,000	3,000	3,500

Notes:

- All Dimensions are in millimeters (inches).
- Tolerance is ± 0.25mm (0.010") unless otherwise specified.
- Protruded resin under flange is 1.5mm (0.059") max.
- Lead spacing is measured where the leads emerge from the package.

