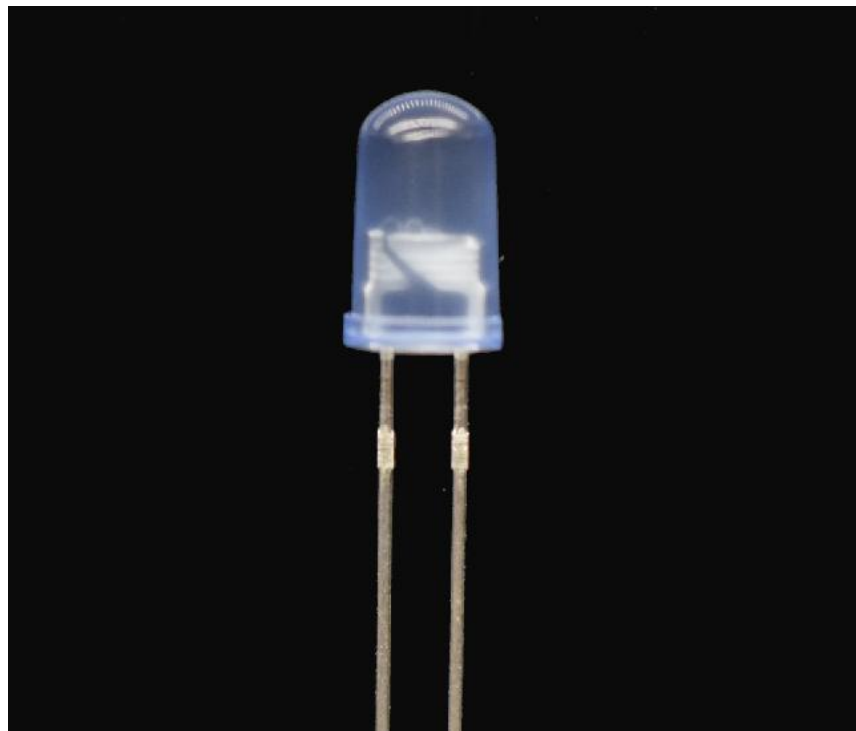





# TOP LED:506BD-IC (5mm through-hole LED - blue flashing)



	<b>ATTENTION</b> OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES
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CUSTOMER APPROVED SIGNATURES	SALES APPROVED	APPROVED BY	CHECKED BY	PREPARED BY

## 1. Features

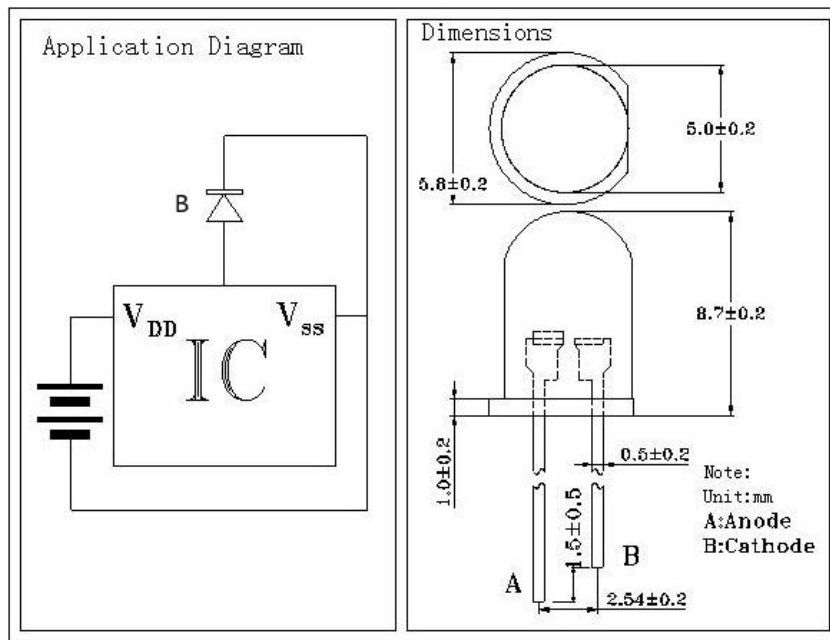
**Light color: Blue Color**

**Lens: blue diffused**

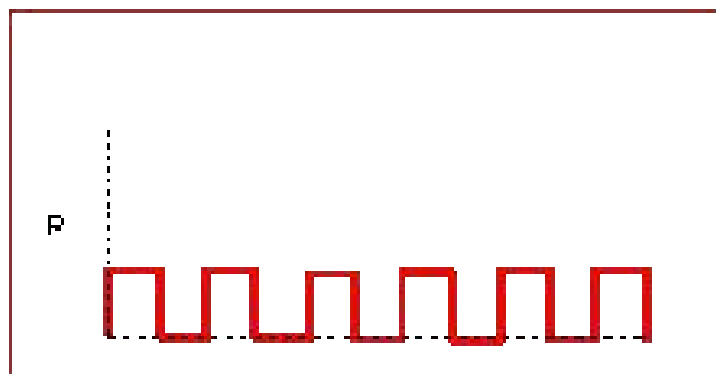
**Absolute maximum rating (Ta=25°C)**

- Reverse current: 40-100  $\mu$ A
- Peak current (duty=0.1,1KHz): 100 mA
- Operating/Storage temperature range: -30°C~+85°C
- Derating linear from 25°C: 0.4 mA/°C
- Lead soldering temperature range: 260°C for 5 second

## 2. Package Profile & Soldering PAD Suggested



Output Sketch Map



- Notes:
1. All dimensions are in millimeters ;
  2. Tolerance is  $\pm 0.10$  mm unless otherwise noted.



**3. Electrical Optical Characteristics At Ta=25°C**

**BLUE COLOR:**

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Forward voltage	$V_F$	2.8	3.0	3.4	V	$I_F=20\text{ mA}$
Luminous intensity	$I_V$	300	550	800	mcd	$I_F=20\text{ mA}$
Peak emission wavelength	$\lambda_p$	460	465	470	nm	❖
Half intensity angle	$\Delta \ominus$	❖	30	❖	deg	❖

**Direct Current Characteristics**

Parameter	Symbol	Min	Typ.	Max	Unit	Remarks
Operating voltage	$V_{DD}$	3.5	4.0	5	V	❖
Driver Current	$I_{ol}$	❖	25	❖	mA	@ $V_{DS}=1.2V$
Power Consumption	$P_o$	❖	120	❖	mW	$V_{DD}=4.5V$
Flash Frequency	$F_{td}$	❖	1.5	❖	Hz	External $\pm 30\%$

\*All specs and applications shown above subject to change without prior notice.