



SHENZHEN BEST LED OPTO-ELECTRONIC CO.,LTD

# TOP LED:806RGBWD-E10IC36

(E10 DC Screw LED Lamp-4.5V RGB LED Slow Flashing )



	<p><b>ATTENTION</b> OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES</p>
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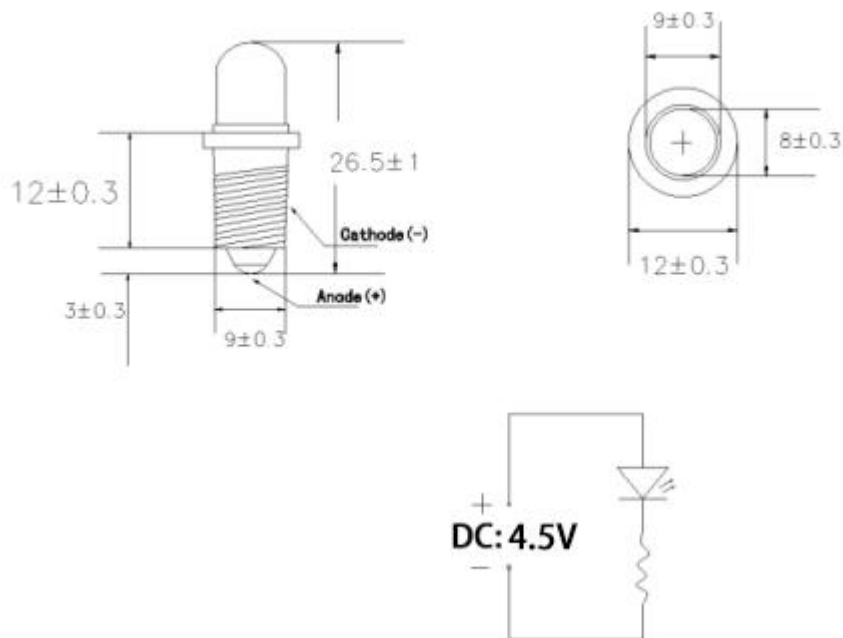


CUSTOMER APPROVED SIGNATURES	SALES APPROVED	APPROVED BY	CHECKED BY	PREPARED BY

## 1. Features

- LED : 8mm RGB Slow Flashing led
- LED Lens: White Diffused Type
- DC4.5V
- Bicycle Light/Torch
- Dashboard Signal/Automotive Lighting

## 2. Package Profile & Soldering PAD Suggested



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



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

<b>Parameter</b>	<b>Symbol</b>	<b>Rating</b>	<b>Unit</b>
DC Forward Voltage	VF	4.5	V
Power Dissipation	PD	0.09	W
Operating Temperature Range	Topr	-25°C ~ +80°C	
Storage Temperature Range	Tstg	-40°C ~ +80°C	
Soldering Condition	Tsol	Reflow soldering : 260°C For 5 Seconds Hand soldering: 300°C For 3 Seconds	
Electro-Static-Discharge(HBM)	ESD	1000V	
Service life under normal conditions	Time	80000h	



#### 4. Electrical Optical Characteristics At Ta=25°C

Parameter		Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Red	IV	400	---	800	mcd	DC=4.5V
	Blue		600	---	1000		
	Green		1500	---	2500	mw/sr	
Dominant Wavelength	Red	$\lambda_d$	620	625	630	nm	DC=4.5V
	Blue		460	465	472	nm	
	Green		520	525	530	nm	
Control Voltage DC		VF		3.5	4.5	V	---
Oscillator Frequency		Fled	---	36	---	S	IDC=4.5V

- Notes: 1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2.  $\theta_{1/2}$  is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
3. The dominant wavelength,  $\lambda_d$  is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.