

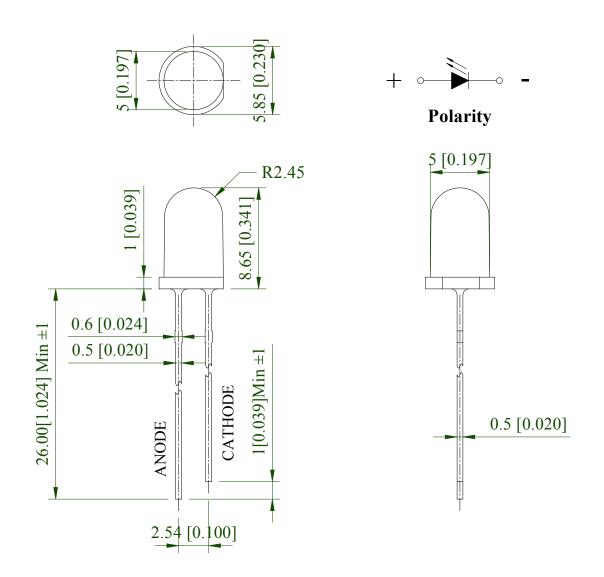
Features:

- Low power consumption.
- General purpose leads.
- High efficiency.
- Reliable and robust.

Applications:

- Telephone.
- Computer.
- Circuit board.
- Status indicators.
- Commercial use.

Part No.	Emitting Color	Lens Color(LED)		
RND 135-00127	Yellow	Yellow Diffused		





Absolute Maximum Ratings at Ta=25℃

Parameters	Symbol	Max.	Unit	
Power Dissipation	P _d	78	mW	
Peak Forward Current (a)	I _{FP}	100	mA	
DC Forward Current (b)	l _F	30	mA	
Reverse Voltage	VR	5	V	
Operating Temperature Range	T_{opr}	-40°C to +80°C		
Storage Temperature Range	T _{stg}	-40°C to +85°C		
Soldering Temperature	T _{sld}	260°C for 5 Seconds		

Notes:

- a. Derate linearly as shown in derating curve.
- b. Duty Factor = 10%, Frequency = 1 kHz.

Electrical Optical Characteristics at Ta=25℃

Parameters	Symbol	Min.	Тур.	Max.	Unit	Test Condition
Luminous Intensity (a)	lv	20	30		mcd	IF=20mA
Viewing Angle (b)	2θ _{1/2}		60		deg.	IF=20mA
Peak Emission Wavelength	λр		590		nm	IF=20mA
Dominant Wavelength (c)	λd		588		nm	IF=20mA
Spectral Line Half-Width	$\triangle \lambda$		35		nm	IF=20mA
Forward Voltage	VF	1.6	2.0	2.6	V	IF=20mA
Reverse Current	IR			10	μA	VR=5V

Notes:

- a. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- b. $2\theta_{1/2}$ is the o-axis angle where the luminous intensity is 1/2 the peak intensity.
- c. The dominant wavelength (λ d) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.



Typical Electrical / Optical Characteristics Curves (25℃ Ambient Temperature Unless Otherwise Noted)

