

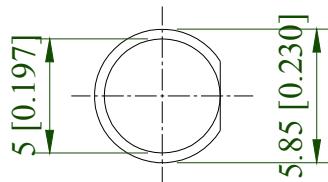
Features:

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

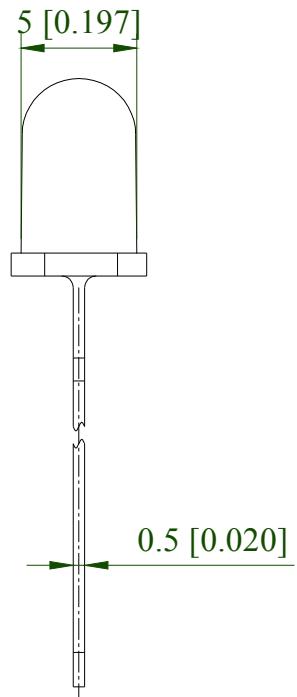
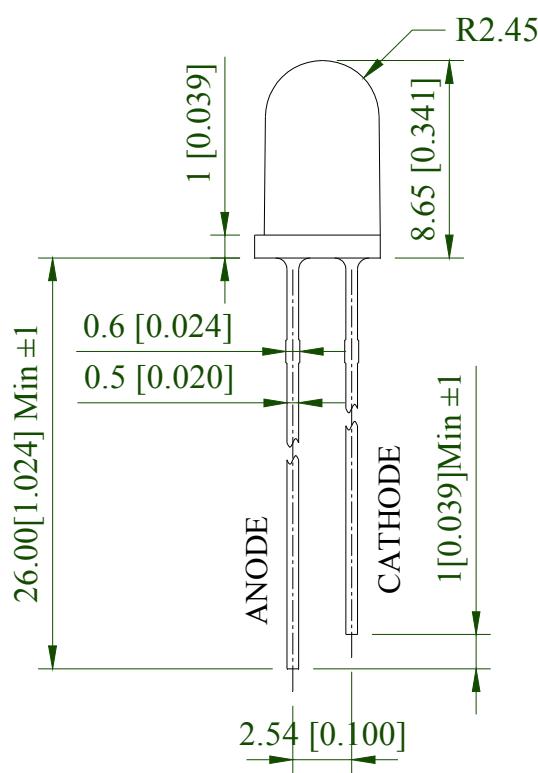
Applications:

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

Part No.	Emitting Color	Lens Color(LED)
RND 135-00134	Yellow Green	Green Diffused



Polarity



Absolute Maximum Ratings at Ta=25°C

Parameters	Symbol	Max.	Unit
Power Dissipation	P _d	78	mW
Peak Forward Current ^(a)	I _{FP}	100	mA
DC Forward Current ^(b)	I _F	30	mA
Reverse Voltage	V _R	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°C

Parameters	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity ^(a)	I _v	13	30	---	mcd	IF=20mA
Viewing Angle ^(b)	2θ _{1/2}	---	60	---	deg.	IF=20mA
Peak Emission Wavelength	λ _p	---	565	---	nm	IF=20mA
Dominant Wavelength ^(c)	λ _d	---	571	---	nm	IF=20mA
Spectral Line Half-Width	△λ	---	20	---	nm	IF=20mA
Forward Voltage	V _F	1.6	2.2	2.6	V	IF=20mA
Reverse Current	I _R	---	---	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. 2θ_{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°C Ambient Temperature Unless Otherwise Noted)

