

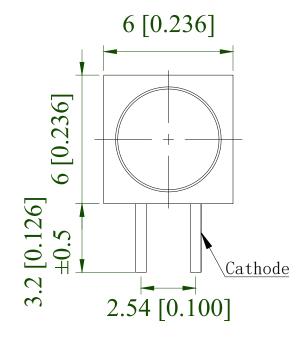
Features:

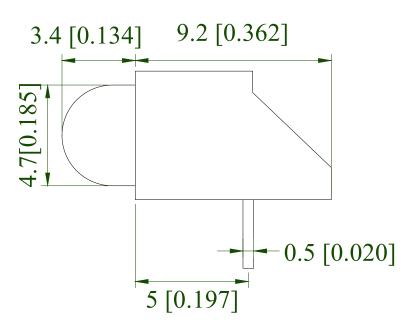
- Low power consumption.
- High efficiency.
- Good control and free combinations on the colors of LED lamps.
- Good lock and easy to assembly.
- Stackable and easy to assembly.
- Stackable vertically and easy to assembly.
- Stackable horizontally and easy to assembly.
- Versatile mounting on P.C board or panel.
- Black case enhances contrast ratio.

Applications:

- Computer.
- Communication.
- Industrial.

Part No.	Emitting Color	Lens Color(LED)		
RND 135-00103	Deep Red	Red Diffused		







Absolute Maximum Ratings at Ta=25℃

Parameters	Symbol	Max.	Unit		
Power Dissipation	P _d	65	mW		
Peak Forward Current (a)	I _{FP}	100	mA		
DC Forward Current (b)	l _F	25	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℃

Parameters	Symbol	Min.	Тур.	Max.	Unit	Test Condition
Luminous Intensity (a)	lv	20	45		mcd	IF=20mA
Viewing Angle (b)	2θ _{1/2}		60		deg.	IF=20mA
Peak Emission Wavelength	λр		660		nm	IF=20mA
Dominant Wavelength (c)	λd		640		nm	IF=20mA
Spectral Line Half-Width	$\triangle \lambda$		45		nm	IF=20mA
Forward Voltage	VF	1.6	2.0	2.6	V	IF=20mA
Reverse Current	IR			10	μΑ	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°C Ambient Temperature Unless Otherwise Noted)

