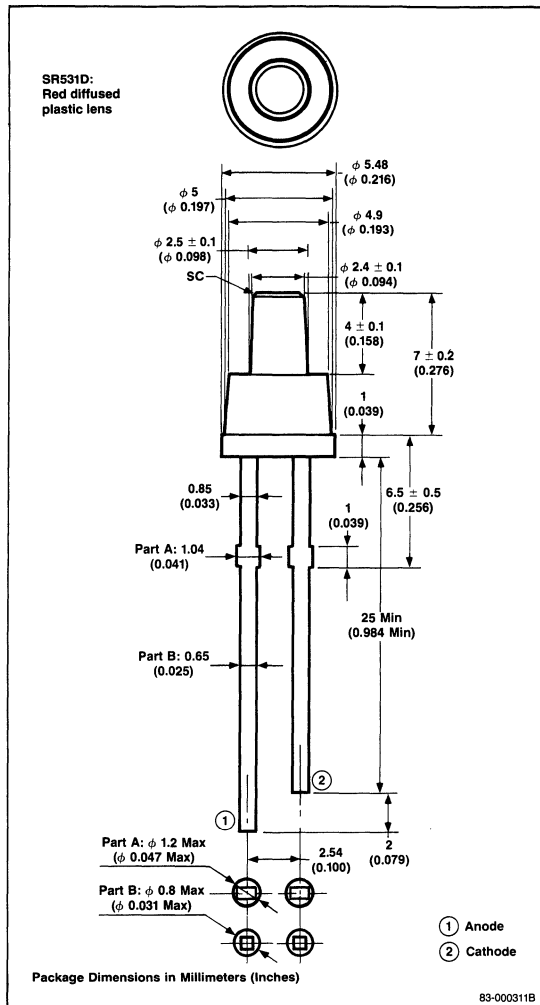


## Description

The SR531D is a full resin-molded LED lamp with a flat circular face which uniformly emits brilliant red light. It is especially suitable for electronic equipment in audio applications which require fancy displays.

## Package Dimensions



## Features

- Flat circular face
- Low cost
- Long lead
- Bright red
- Compatible with integrated circuits
- Green (SG231D) and amber (SY431D) LEDs are available in the same package style

## Applications

- Visual displays
- Radio and stereo equipment indicators
- Measuring instruments, terminals

## Absolute Maximum Ratings

$T_A = +25^\circ\text{C}$

Power Dissipation, $P_D$	60mW
Forward Current, $I_F$	30mA
Reverse Voltage, $V_R$	5V
Junction Temperature, $T_J$	100°C
Storage Temperature, $T_{STG}$	-40°C to +100°C

## Electro-Optical Characteristics

$T_A = +25^\circ\text{C}$

Parameters	Symbol	Limits			Unit	Test Conditions
		Min	Typ	Max		
Forward Voltage	$V_F$		2	2.5	V	$I_F = 10\text{mA}$
Reverse Current	$I_R$		0.01	10	$\mu\text{A}$	$V_R = 4.5$
Capacitance	$C_T$		100		pF	$V = 0$ $F = 1.0\text{MHz}$
Peak Emission Wavelength	$\lambda_{PEAK}$		695		nm	$I_F = 10\text{mA}$
Spectral Line Half Width	$\Delta\lambda$		100		nm	$I_F = 10\text{mA}$
Luminous Intensity	$I_V$	0.2	0.5		mcd	$I_F = 10\text{mA}$

**Typical Characteristics**

$T_A = +25^\circ\text{C}$

