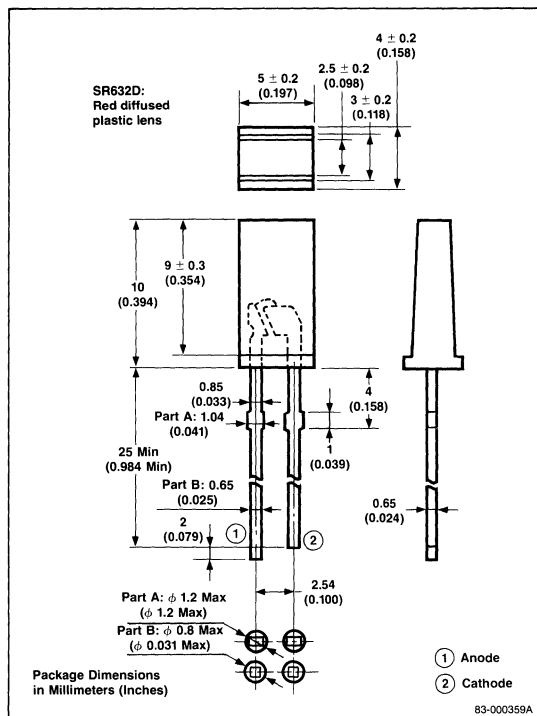


## Description

The SR632D is a full resin-molded LED lamp with a flat rectangular 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 rectangular face
- ☐ Low cost
- ☐ Long lead
- ☐ Bright red
- ☐ Compatible with integrated circuits
- ☐ Green (SG232D) and amber (SY432D) 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, $P_D$       | 100mW           |
| Forward Current, $I_F$         | 40mA            |
| 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 |      |     | Test Conditions                  |
|--------------------------|------------------|--------|------|-----|----------------------------------|
|                          |                  | Min    | Typ  | Max |                                  |
| Forward Voltage          | $V_F$            |        | 2.0  | 2.4 | V $I_F = 10\text{mA}$            |
| Reverse Current          | $I_R$            |        | 0.01 | 10  | $\mu\text{A}$ $V_R = 5\text{V}$  |
| Capacitance              | $C_T$            |        | 100  |     | pF $V = 0$ , $f = 1.0\text{MHz}$ |
| Peak Emission Wavelength | $\lambda_{PEAK}$ |        | 630  |     | nm $I_F = 10\text{mA}$           |
| Spectral Line Half Width | $\Delta\lambda$  |        | 40   |     | nm $I_F = 10\text{mA}$           |
| Luminous Intensity       | $I_V$            | 0.5    | 1.2  |     | mcd $I_F = 10\text{mA}$          |

Typical Characteristics

T<sub>A</sub> = +25°C

