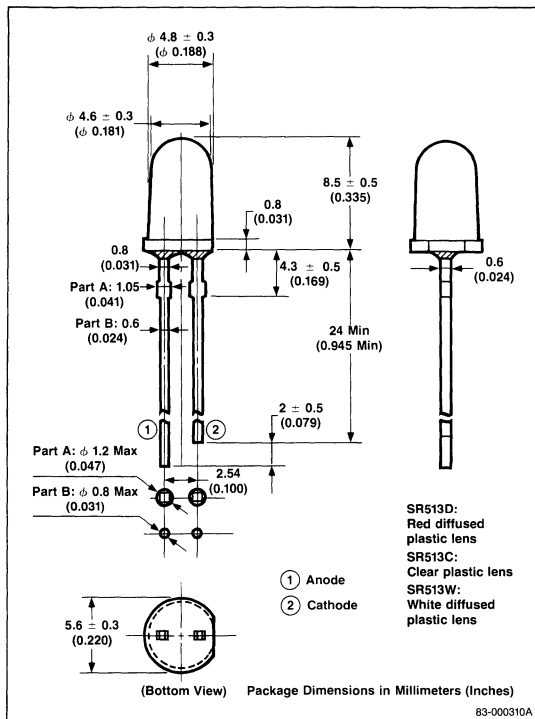


Description

The SR513D, SR513C and SR513W are full resin-molded LED lamps which emit brilliant, uniform red light at comparatively low current. They are especially suitable for electronic devices such as battery-driven and audio equipment requiring low-power displays.

Package Dimensions



Features

- ☐ High intensity
- ☐ Bright red
- ☐ Long lead
- ☐ Low cost
- ☐ Compatible with integrated circuits

Applications

- ☐ Visual displays
- ☐ Guard systems
- ☐ Mobile equipment indicators
- ☐ Stereo equipment indicators
- ☐ Transceiver indicators

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	μA	$V_R = 4.5\text{V}$
Capacitance	C_T		50		pF	$V = 0$, $f = 1.0\text{MHz}$
Peak Emission Wavelength	λ_{PEAK}		695		nm	$I_F = 10\text{mA}$
Spectral Line Half Width	$\Delta\lambda$		100		nm	$I_F = 10\text{mA}$
Luminous Intensity (SR513D, SR513W)	I_V	1.5	5		mcd	$I_F = 10\text{mA}$
Luminous Intensity (SR513C)	I_V	4	10		mcd	$I_F = 10\text{mA}$

Typical Characteristics

T_A = +25°C

