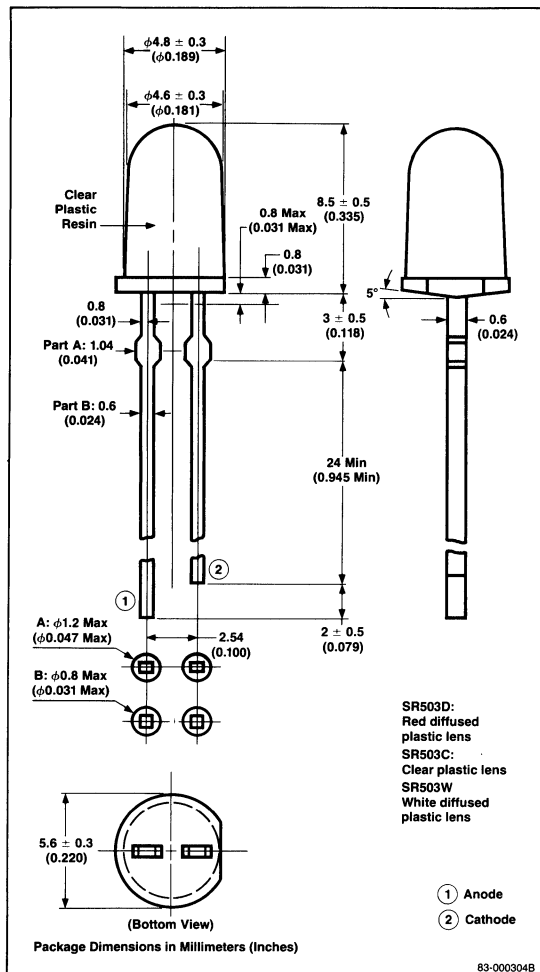


Description

The SR503D, SR503C and SR503W are full resin-molded LED lamps which emit brilliant red light at comparatively low current. They are especially suitable for electronic devices such as battery-driven equipment and audio equipment requiring low-power displays.

Package Dimensions



Features

- Low cost
- High intensity with low current
- Compatible with integrated circuits
- Long lead
- Wide view angle
- Bright red

Applications

- Visual displays
- Guard systems
- Radio and stereo equipment indicators
- Measuring instruments, terminals
- Optical switching light sources

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

Parameters	Symbol	Limits			Unit	Test Conditions
		Min	Typ	Max		
Forward Voltage	V_F	2.0	2.5		V	$I_F = 10\text{mA}$
Reverse Current	I_R	0.01	10		μA	$V_R = 4.5$
Capacitance	C_T	100			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 (SR503D, SR503W)	I_V	1.5	5		mcd	$I_F = 10\text{mA}$
Luminous Intensity (SR503C)	I_V	4	10		mcd	$I_F = 10\text{mA}$

Typical Characteristics

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

