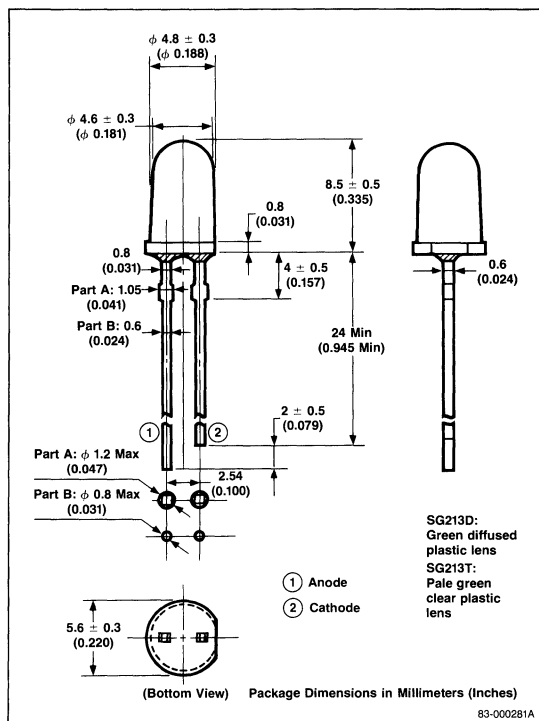


Description

The SG213D and SG213T are full resin-molded LED lamps which emit bright, brilliant, uniform green light proportional to the forward current (I_F). They are especially suitable for electronic equipment in audio applications which require bright, vivid displays. The SG213T is especially suitable as a backlighting source.

Package Dimensions



Features

- ☐ High intensity
- ☐ Bright green
- ☐ 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	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			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		60		pF	$V = 0$, $f = 1.0\text{MHz}$
Peak Emission Wavelength	λ_{PEAK}		565		nm	$I_F = 10\text{mA}$
Spectral Line Half Width	$\Delta\lambda$		40		nm	$I_F = 10\text{mA}$
Luminous Intensity (SG213D)	I_V	3	15		mcd	$I_F = 10\text{mA}$
Luminous Intensity (SG213T)	I_V	12	45		mcd	$I_F = 10\text{mA}$

Typical Characteristics

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