

Description

These three LEDs are full resin-molded LED lamps with flat rectangular faces which uniformly emit brilliant red, green and amber light. They are especially suitable for electronic equipment in audio applications which require fancy displays.

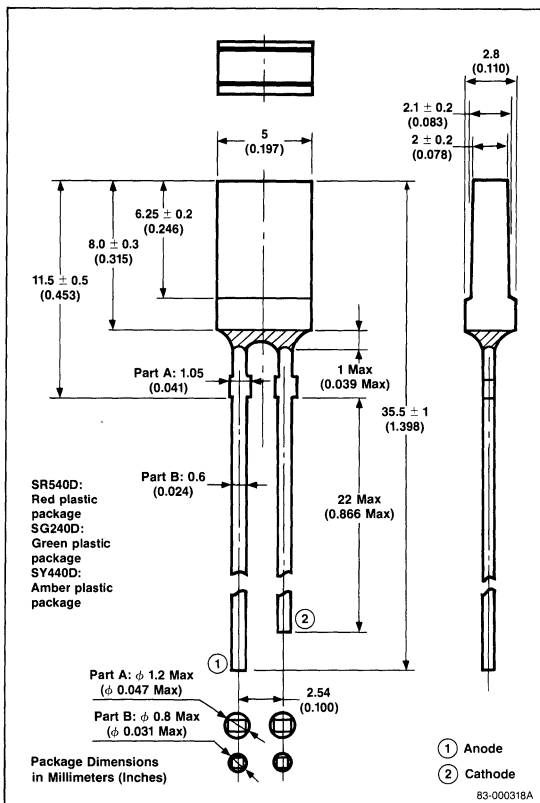
Features

- ☐ Flat rectangular face
- ☐ Low cost
- ☐ Long lead
- ☐ Bright red, green or amber
- ☐ Compatible with integrated circuits

Applications

- ☐ Visual displays
- ☐ Radio and stereo equipment indicators
- ☐ Measuring instrument terminals

Package Dimensions



Absolute Maximum Ratings

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

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

Note: 1. SR540D/SG240D, SY440D

Electro-Optical Characteristics

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

Parameters	Symbol	Limits			Unit	Test Conditions
		Min	Typ	Max		
Forward Voltage						
SR540D	V _F		2.0	2.5	V	I _F = 10mA
SG240D	V _F		2.0	2.5	V	I _F = 10mA
SY440D	V _F		2.0	2.4	V	I _F = 10mA
Reverse Current						
SR540D	I _R		0.01	10	μA	V _R = 4.5V
SG240D	I _R		0.01	10	μA	V _R = 4.5V
SY440D	I _R		0.01	10	μA	V _R = 4.5V
Capacitance						
SR540D	C _T		100		pF	V = 0, f = 1.0MHz
SG240D	C _T		100		pF	V = 0, f = 1.0MHz
SY440D	C _T		60		pF	V = 0, f = 1.0MHz
Peak Emission Wavelength						
SR540D	λ _{PEAK}		695		nm	I _F = 10mA
SG240D	λ _{PEAK}		565		nm	I _F = 10mA
SY440D	λ _{PEAK}		590		nm	I _F = 10mA
Spectral Line Half Width						
SR540D	Δλ		100		nm	I _F = 10mA
SY240D	Δλ		40		nm	I _F = 10mA
SR440D	Δλ		40		nm	I _F = 10mA
Luminous Intensity						
SR540D	I _V	0.3	0.8		mcd	I _F = 10mA
SG240D	I _V	0.7	1.5		mcd	I _F = 10mA
SY440D	I _V	0.7	1.5		mcd	I _F = 10mA

Typical Characteristics

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

