

Description

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

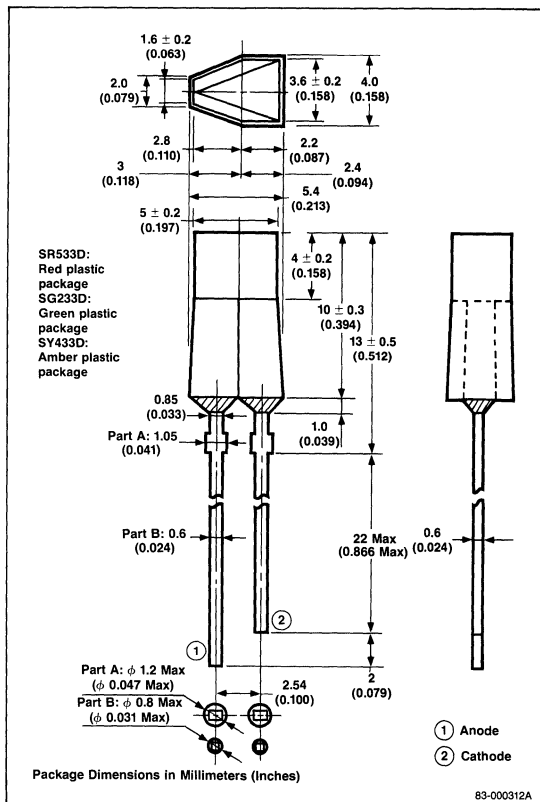
Features

- ☐ Flat triangular 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
- ☐ Direction indicators

Package Dimensions



Absolute Maximum Ratings

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

Power Dissipation, P_{D1}	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. SR533D/SG233D, SY433D.

Electro-Optical Characteristics

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

Parameters	Symbol	Limits			Unit	Test Conditions
		Min	Typ	Max		
Forward Voltage						
SR533D	V _F		2.0	2.5	V	I _F = 10mA
SG233D	V _F		2.0	2.5	V	I _F = 10mA
SY433D	V _F		2.0	2.4	V	I _F = 10mA
Reverse Current						
SR533D	I _R		0.01	10	μA	V _R = 4.5V
SG233D	I _R		0.01	10	μA	V _R = 4.5V
SY433D	I _R		0.01	10	μA	V _R = 4.5V
Capacitance						
SR533D	C _T		100		pF	V = 0, f = 1.0MHz
SG233D	C _T		100		pF	V = 0, f = 1.0MHz
SY433D	C _T		60		pF	V = 0, f = 1.0MHz
Peak Emission Wavelength						
SR533D	λ _{PEAK}		695		nm	I _F = 10mA
SG233D	λ _{PEAK}		565		nm	I _F = 10mA
SY433D	λ _{PEAK}		590		nm	I _F = 10mA
Spectral Line Half Width						
SR533D	Δλ		100		nm	I _F = 10mA
SY233D	Δλ		40		nm	I _F = 10mA
SR433D	Δλ		40		nm	I _F = 10mA
Luminous Intensity						
SR533D	I _V	0.2	0.5		mcd	I _F = 10mA
SG233D	I _V	0.2	0.7		mcd	I _F = 10mA
SY433D	I _V	0.2	0.7		mcd	I _F = 10mA

Typical Characteristics

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

