

Description

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

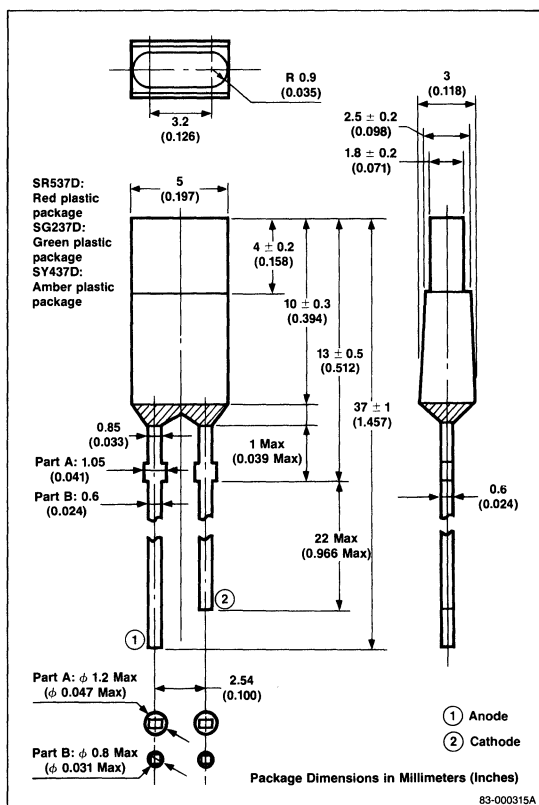
Features

- ☐ Flat elliptical 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. SR537D/SG237D, SY437D

Electro-Optical Characteristics

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

Parameters	Symbol	Limits			Unit	Test Conditions
		Min	Typ	Max		
Forward Voltage						
SR537D	V _F		2.0	2.5	V	I _F = 10mA
SG237D	V _F		2.0	2.5	V	I _F = 10mA
SY437D	V _F		2.0	2.4	V	I _F = 10mA
Reverse Current						
SR537D	I _R		0.01	10	μA	V _R = 4.5V
SG237D	I _R		0.01	10	μA	V _R = 4.5V
SY437D	I _R		0.01	10	μA	V _R = 4.5V
Capacitance						
SR537D	C _T		100		pF	V = 0, f = 1.0MHz
SG237D	C _T		100		pF	V = 0, f = 1.0MHz
SY437D	C _T		60		pF	V = 0, f = 1.0MHz
Peak Emission Wavelength						
SR537D	λ _{PEAK}		695		nm	I _F = 10mA
SG237D	λ _{PEAK}		565		nm	I _F = 10mA
SY437D	λ _{PEAK}		590		nm	I _F = 10mA
Spectral Line Half Width						
SR537D	Δλ		100		nm	I _F = 10mA
SY237D	Δλ		40		nm	I _F = 10mA
SR437D	Δλ		40		nm	I _F = 10mA
Luminous Intensity						
SR537D	I _V	0.2	0.5		mcd	I _F = 10mA
SG237D	I _V	0.2	0.7		mcd	I _F = 10mA
SY437D	I _V	0.2	0.7		mcd	I _F = 10mA

Typical Characteristics

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

