

### Description

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

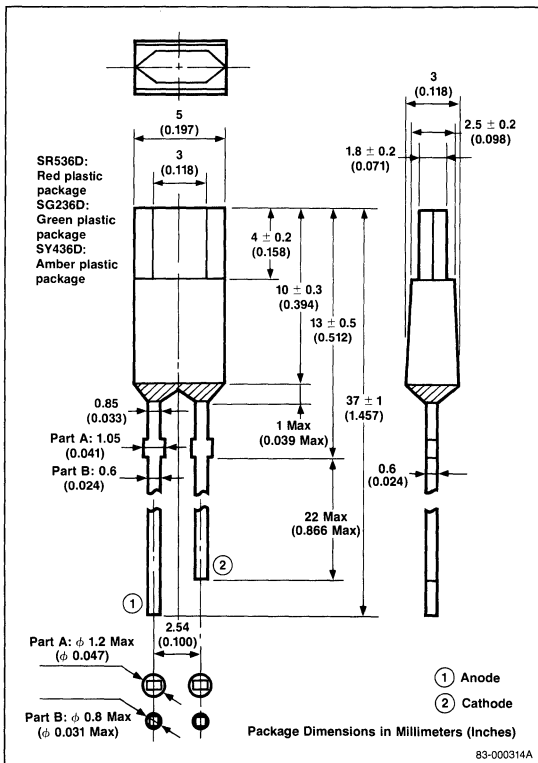
### Features

- Flat hexagonal 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. SR536D/SG236D, SY436D

### Electro-Optical Characteristics

Parameters	Symbol	Limits			Unit	Test Conditions
		Min	Typ	Max		
<b>Forward Voltage</b>						
SR536D	$V_F$	2.0	2.5		V	$I_F = 10\text{mA}$
SG236D	$V_F$	2.0	2.5		V	$I_F = 10\text{mA}$
SY436D	$V_F$	2.0	2.4		V	$I_F = 10\text{mA}$
<b>Reverse Current</b>						
SR536D	$I_R$	0.01	10		$\mu\text{A}$	$V_R = 4.5\text{V}$
SG236D	$I_R$	0.01	10		$\mu\text{A}$	$V_R = 4.5\text{V}$
SY436D	$I_R$	0.01	10		$\mu\text{A}$	$V_R = 4.5\text{V}$
<b>Capacitance</b>						
SR536D	$C_T$	100			pF	$V = 0, f = 1.0\text{MHz}$
SG236D	$C_T$	100			pF	$V = 0, f = 1.0\text{MHz}$
SY436D	$C_T$	60			pF	$V = 0, f = 1.0\text{MHz}$
<b>Peak Emission Wavelength</b>						
SR536D	$\lambda_{PEAK}$	695			nm	$I_F = 10\text{mA}$
SG236D	$\lambda_{PEAK}$	565			nm	$I_F = 10\text{mA}$
SY436D	$\lambda_{PEAK}$	590			nm	$I_F = 10\text{mA}$
<b>Spectral Line Half Width</b>						
SR536D	$\Delta\lambda$	100			nm	$I_F = 10\text{mA}$
SY236D	$\Delta\lambda$	40			nm	$I_F = 10\text{mA}$
SR436D	$\Delta\lambda$	40			nm	$I_F = 10\text{mA}$
<b>Luminous Intensity</b>						
SR536D	$I_V$	0.2	0.5		mcd	$I_F = 10\text{mA}$
SG236D	$I_V$	0.2	0.7		mcd	$I_F = 10\text{mA}$
SY436D	$I_V$	0.2	0.7		mcd	$I_F = 10\text{mA}$

**Typical Characteristics**

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

