

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.

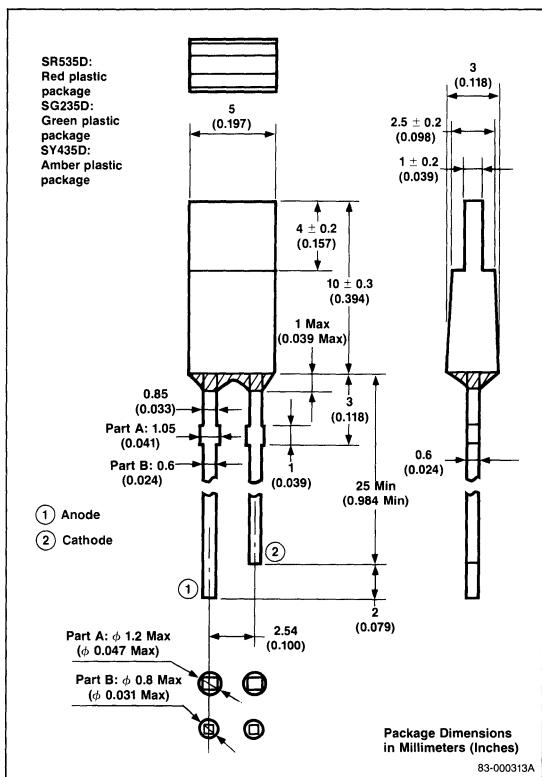
Features

- 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_D1	60/100mW
Forward Current, I_F1	30/40mA
Reverse Voltage, V_R	5V
Junction Temperature, T_J	100°C
Storage Temperature, T_{STG}	-40°C to +100°C

Note: 1. SR535D/SG235D, SY435D

Electro-Optical Characteristics

Parameters	Symbol	Limits				Test Conditions
		Min	Typ	Max	Unit	
Forward Voltage						
SR535D	V_F	2.0	2.5	V	$I_F = 10\text{mA}$	
SG235D	V_F	2.0	2.5	V	$I_F = 10\text{mA}$	
SY435D	V_F	2.0	2.4	V	$I_F = 10\text{mA}$	
Reverse Current						
SR535D	I_R	0.01	10	μA	$V_R = 4.5\text{V}$	
SG235D	I_R	0.01	10	μA	$V_R = 4.5\text{V}$	
SY435D	I_R	0.01	10	μA	$V_R = 4.5\text{V}$	
Capacitance						
SR535D	C_T	100		pF	$V = 0,$ $f = 1.0\text{MHz}$	
SG235D	C_T	100		pF	$V = 0,$ $f = 1.0\text{MHz}$	
SY435D	C_T	60		pF	$V = 0,$ $f = 1.0\text{MHz}$	
Peak Emission Wavelength						
SR535D	λ_{PEAK}	695		nm	$I_F = 10\text{mA}$	
SG235D	λ_{PEAK}	565		nm	$I_F = 10\text{mA}$	
SY435D	λ_{PEAK}	590		nm	$I_F = 10\text{mA}$	
Spectral Line Half Width						
SR535D	$\Delta\lambda$	100		nm	$I_F = 10\text{mA}$	
SY235D	$\Delta\lambda$	40		nm	$I_F = 10\text{mA}$	
SR435D	$\Delta\lambda$	40		nm	$I_F = 10\text{mA}$	
Luminous Intensity						
SR535D	I_V	0.2	0.5	mcd	$I_F = 10\text{mA}$	
SG235D	I_V	0.2	0.7	mcd	$I_F = 10\text{mA}$	
SY435D	I_V	0.2	0.7	mcd	$I_F = 10\text{mA}$	

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