

Description

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

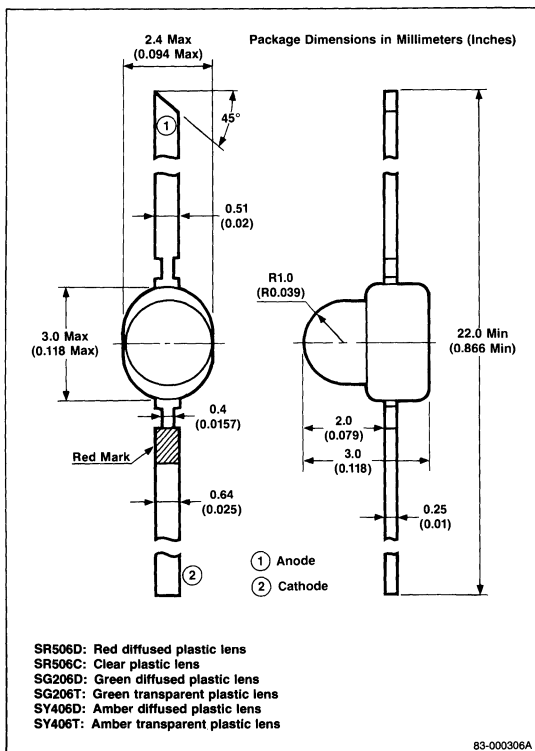
Features

- ☐ Small size
- ☐ Low cost
- ☐ Easily assembled in arrays
- ☐ Bright red, green or amber
- ☐ Compatible with integrated circuits

Applications

- ☐ Visual displays
- ☐ Radio and stereo equipment indicators
- ☐ Portable equipment indicators
- ☐ Camera indicators

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. SR506D, SR506C/SG206D, SG206T, SY406D, SY406T.

Electro-Optical Characteristics

T _A = +25°C						
Parameters	Symbol	Limits			Unit	Test Conditions
		Min	Typ	Max		
Forward Voltage						
SR506D/SR506C	V _F		2.0	2.6	V	I _F = 10mA
SG206D/SG206T	V _F		2.0	2.6	V	I _F = 10mA
SY406D/SY406T	V _F		2.0	2.5	V	I _F = 10mA
Reverse Current						
SR506D/SR506C	I _R		0.01	10	μA	V _R = 4.5V
SG206D/SG206T	I _R		0.01	10	μA	V _R = 4.5V
SY406D/SY406T	I _R		0.01	10	μA	V _R = 4.5V
Capacitance						
SR506D/SR506C	C _T		100		pF	V = 0, f = 1.0MHz
SG206D/SG206T	C _T		100		pF	V = 0, f = 1.0MHz
SY406D/SY406T	C _T		100		pF	V = 0, f = 1.0MHz
Peak Emission Wavelength						
SR506D/SR506C	λ _{PEAK}		695		nm	I _F = 10mA
SG206D/SG206T	λ _{PEAK}		565		nm	I _F = 10mA
SY406D/SY406T	λ _{PEAK}		590		nm	I _F = 10mA
Spectral Line Half Width						
SR506D/SR506C	Δλ		100		nm	I _F = 10mA
SY206D/SY206T	Δλ		40		nm	I _F = 10mA
SG406D/SG406T	Δλ		40		nm	I _F = 10mA
Luminous Intensity						
SR506D/SR506C	I _V	0.5/1	1/2		mcd	I _F = 10mA
SG206D/SG206T	I _V	0.5/1	1.5/3		mcd	I _F = 10mA
SY406D/SY406T	I _V	0.5/1	1.5/3		mcd	I _F = 10mA

Typical Characteristics

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

