SG261D, SY461D, SR661D
GREEN, AMBER, RED
FASHION LEDs

NEPOC SERIES

Description

The SR661D, SG261D and SY461D are rectangular (2mm × 3mm) plastic-resin-encapsulated LED lamps which uniformly emit brilliant red, green and amber light. They are suitable for use as fashionable indicators on the panels of audio/video equipment and elsewhere.

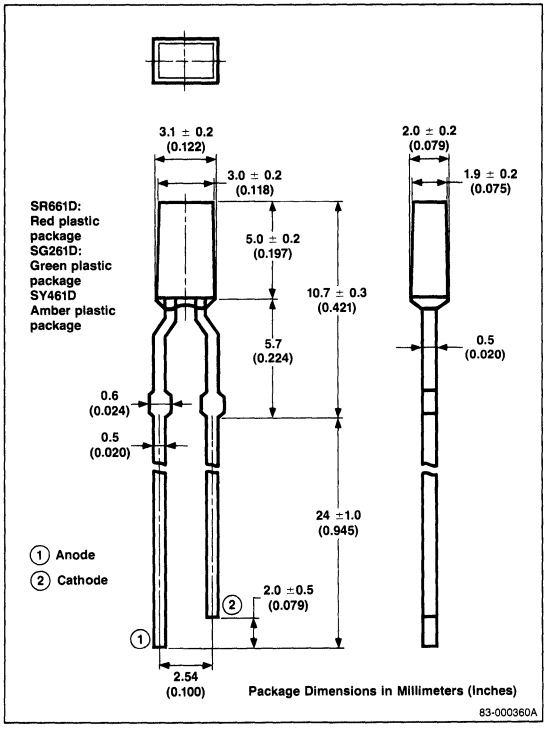
Features

- ☐ 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°C

Power Dissipation, P_D	100mW
Forward Current, I_F	40mA
Reverse Voltage, V_R	5V
Junction Temperature, T_J	100°C
Storage Temperature, T_{STG}	−40°C to +100°C

Electro-Optical Characteristics

T_A = +25°C

Parameters	Symbol	Limits Min	Typ	Max	Unit	Test Conditions
Forward Voltage						
SR661D	V_F		2.0	2.5	V	I_F = 10mA
SG261D	V_F		2.0	2.5	V	I_F = 10mA
SY461D	V_F		2.0	2.5	V	I_F = 10mA
Reverse Current						
SR661D	I_R		0.01	10	μA	V_R = 4.5V
SG261D	I_R		0.01	10	μA	V_R = 4.5V
SY461D	I_R		0.01	10	μA	V_R = 4.5V
Capacitance						
SR661D	C_T		100		pF	V = 0, f = 1.0MHz
SG261D	C_T		100		pF	V = 0, f = 1.0MHz
SY461D	C_T		60		pF	V = 0, f = 1.0MHz
Peak Emission Wavelength						
SR661D	λ_{PEAK}		630		nm	I_F = 10mA
SG261D	λ_{PEAK}		565		nm	I_F = 10mA
SY461D	λ_{PEAK}		590		nm	I_F = 10mA
Spectral Line Half Width						
SR661D	$\Delta\lambda$		40		nm	I_F = 10mA
SG261D	$\Delta\lambda$		40		nm	I_F = 10mA
SY461D	$\Delta\lambda$		40		nm	I_F = 10mA
Luminous Intensity						
SR661D	I_V	0.4	1.0		mcd	I_F = 10mA
SG261D	I_V	0.4	1.5		mcd	I_F = 10mA
SY461D	I_V	0.4	1.5		mcd	I_F = 10mA

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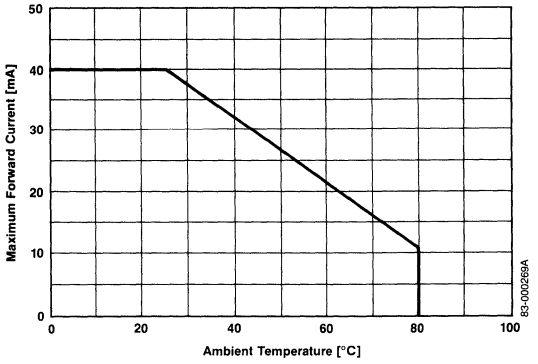
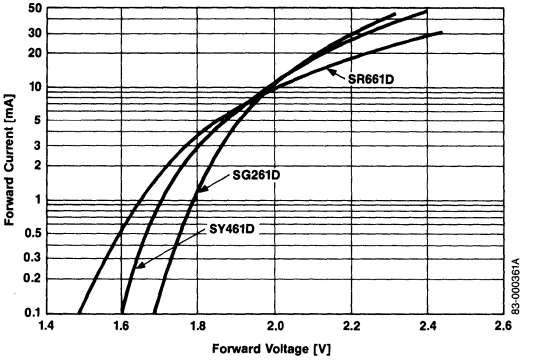
Typical Characteristics

T_A = +25°C

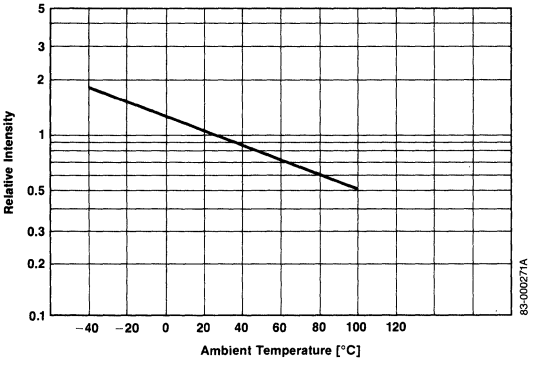
Maximum Forward Current vs Ambient Temperature



Forward Current vs Forward Voltage



Relative Intensity vs Ambient Temperature



Relative Intensity vs Forward Current