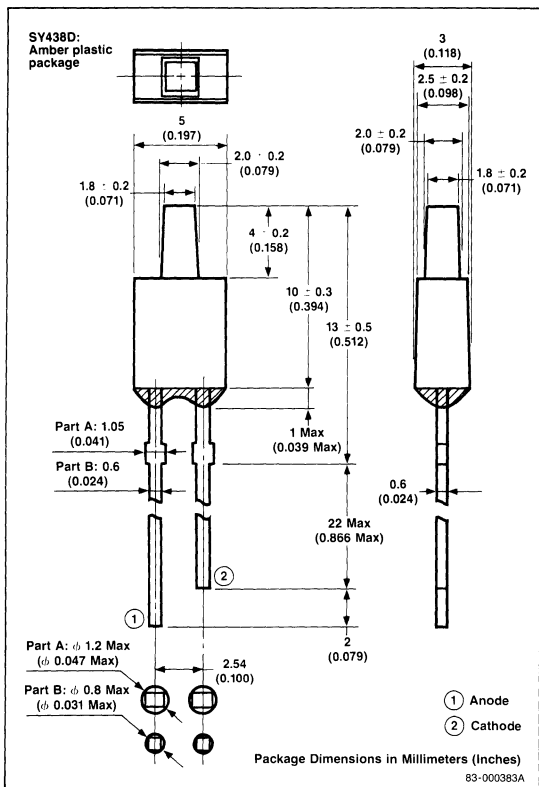


Description

The SY438D is a full resin-molded LED lamp with a flat rectangular face which uniformly emits brilliant amber light. It is especially suitable for electronic equipment in audio applications which require fancy displays.

Package Dimensions



Features

- ☐ Flat rectangular face
- ☐ Low cost
- ☐ Long lead
- ☐ Bright amber
- ☐ Compatible with integrated circuits
- ☐ Red (SR538D) and green (SG238D) LEDs are available in the same package style

Applications

- ☐ Visual displays
- ☐ Peak level indicators
- ☐ Radio and stereo equipment indicators
- ☐ Measuring instruments, terminals

Absolute Maximum Ratings

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

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

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

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

Typical Characteristics

T_A = +25°C

