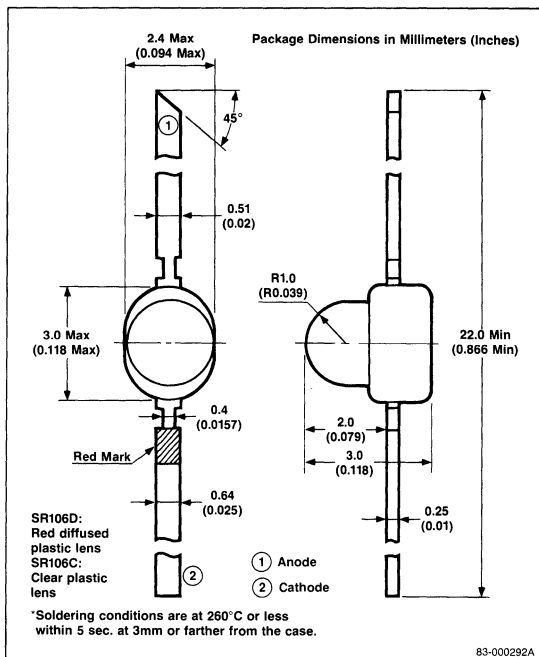


Description

The SR106D and SR106C are GaAsP (Gallium Arsenide Phosphide) light emitting diodes which are mounted on lead frames and molded in diffused red and clear plastic, respectively. They are ideally suited for front panel indicator applications

Package Dimensions



Features

- ☐ Small size
- ☐ Low cost
- ☐ Bright
- ☐ Easily assembled in arrays
- ☐ Compatible with integrated circuits
- ☐ Fast switching time

Applications

- ☐ Visual displays
- ☐ Dial indicators
- ☐ Portable equipment indicators
- ☐ Camera indicators
- ☐ Desk-top calculator indicators

Absolute Maximum Ratings

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

Power Dissipation, P_D	80mW
Forward Current, I_F	40mA
Reverse Voltage, V_R	3.0V
Junction Temperature, T_J	80°C
Storage Temperature, T_{STG}	-30°C to +80°C

Electro-Optical Characteristics

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

Parameters	Symbol	Limits			Unit	Test Conditions
		Min	Typ	Max		
Forward Voltage	V_F		1.6	2.0	V	$I_F = 20\text{mA}$
Reverse Current	I_R		0.01	50	μA	$V_R = 3.0\text{V}$
Capacitance	C_T		50		pF	$V = 0$, $f = 1.0\text{MHz}$
Peak Emission Wavelength	λ_{PEAK}		660		nm	$I_F = 20\text{mA}$
Spectral Line Half Width	$\Delta\lambda$		35		nm	$I_F = 20\text{mA}$
Luminous Intensity	I_V		1.5		mcd	$I_F = 20\text{mA}$

Typical Characteristics

T_A = +25°C

