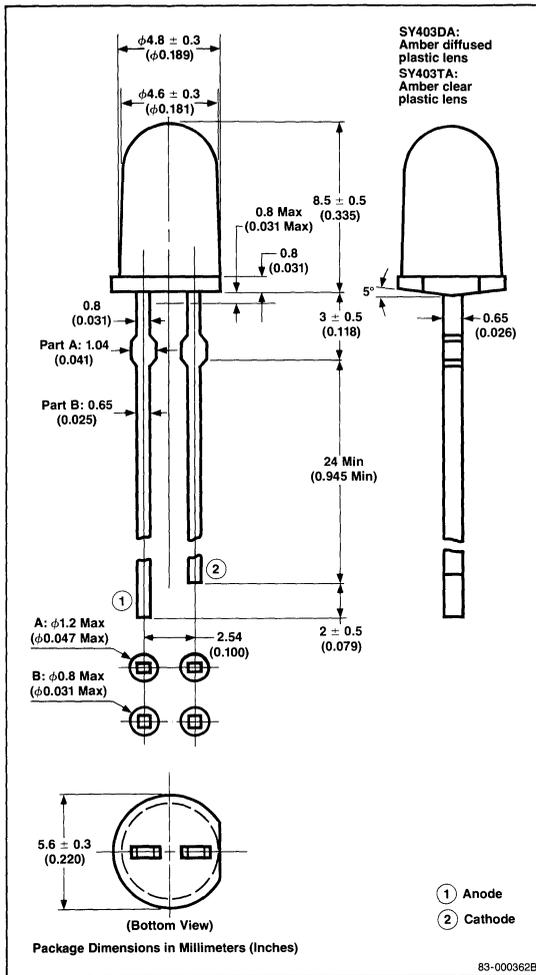


Description

The SY403DA and SY403TA are full resin-molded lamps which emit bright, vivid amber light. They are especially suitable for electronic equipment in audio applications which require high-brightness displays.

Package Dimensions



Features

- High intensity
- Wide angle
- Long lead
- Good sensitivity—590nm
- Low cost
- Compatible and integrated circuits

Applications

- Visual displays
- Guard systems
- Mobile equipment indicators
- Stereo equipment indicators
- Transceiver indicators

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		2.1	2.5	V	$I_F = 10\text{mA}$
Reverse Current	I_R		0.01	10	μA	$V_R = 4.5\text{V}$
Capacitance	C_T		60		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 (SR403DA)	I_V	2	5		mcd	$I_F = 10\text{mA}$
Luminous Intensity (SR403TA)	I_V	5	10		mcd	$I_F = 10\text{mA}$

Typical Characteristics

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

