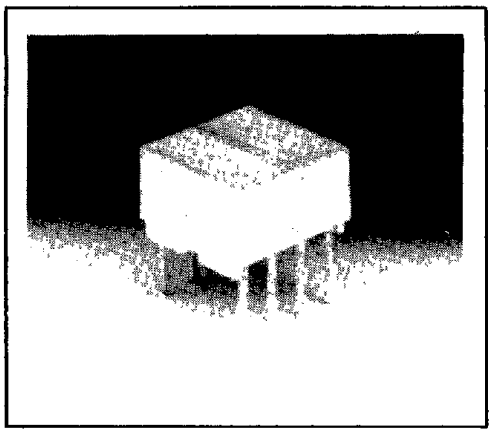
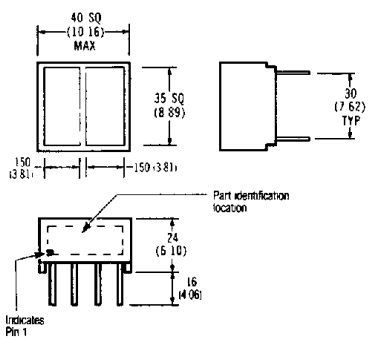
T-41-31

SIEMENS

SUPER-RED OLB 2600
YELLOW YLB 2700
GREEN GLB 2800
LIGHT BARS



Package Dimensions in Inches (mm)



PIN	PIN FUNCTION
1	Cathode a
2	Anode a
3	Anode b
4	Cathode b
5	Cathode c
6	Anode c
7	Anode d
8	Cathode d

FEATURES

- **Square Package**
- **Mechanical barrier creating two isolated rectangular light emitting areas**
- **Uniform Light Emitting Area**
- **Excellent ON/OFF Contrast**
- **Choice of Three Colors**
- **Categorized for Light Output**
- **Yellow and Green Categorized for Dominant Wavelength**
- **Panel or Legend Mountable**
- **Can be Mounted on P.C. Boards or DIP Sockets**
- **X-Y Stackable**
- **Suitable for Multiplexing**
- **IC Compatible**

APPLICATIONS

These devices are ideally suited for:

- **Message Annunciators**
- **Positions/Status Indicators**
- **Telecommunications Indicators**
- **Bar Graphs**

DESCRIPTION

The OLB 2600/YLB 2700/GLB 2800 series light bars are square displays They are configured in a dual in-line package with a mechanical barrier creating two isolated rectangular light emitting areas The OLB 2600 and YLB 2700 devices utilize four LED chips which are made from GaAsP on a transparent GaP substrate. The GLB 2800 device utilizes four chips made from GaP on a transparent GaP substrate

Maximum Ratings

	OLB 2600 & GLB 2800	YLB 2700
Average Power Dissipation per LED chip	135mW	85mW
Peak Forward Current per LED chip Ta = 50°C (max pulse width = 2ms)	90mA	60mA
Average Forward Current per LED Pulsed conditions (Ta = 50°C)	25mA	20mA
DC Forward Current Per LED (Ta = 50°C)	30mA	25mA
Reverse Voltage per LED chip	6V	
Operating Temperature	−40°C to +85°C	
Storage Temperature	−40°C to +85°C	
Lead Soldering Temperature, 1/16 inch below seating plane	260°C for 3 sec	
Junction Temperature	100°C	

Electrical/Optical Characteristics (@ 25°C)

Parameters	Min.	Typ.	Max.	Units	Test Conditions
Luminous Intensity (per light emitting area)					
OLB2600	4 5	10		mcd	20mA DC
YLB2700	4	6		mcd	20mA DC
GLB2800	3 7	10		mcd	20mA DC
Peak Wavelength					
OLB2600		635		nm	
YLB2700		583		nm	
GLB2800		565		nm	
Dominant Wavelength					
OLB2600		626		nm	
YLB2700		585		nm	
GLB2800		572		nm	
Forward Voltage					
OLB2600		2 1	2 6	V	$I_F = 20mA$
YLB2700		2 2	2 6	V	$I_F = 20mA$
GLB2800		2 2	2 6	V	$I_F = 20mA$
Reverse Voltage					
OLB2600	6	15		V	$I_R = 100\mu A$
YLB2700	6	15		V	$I_R = 100\mu A$
GLB2800	6	15		V	$I_R = 100\mu A$