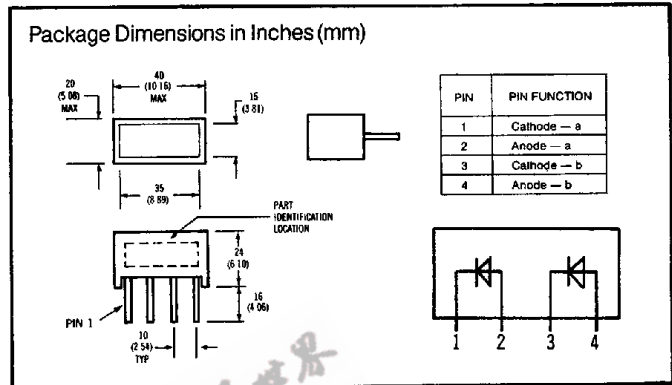
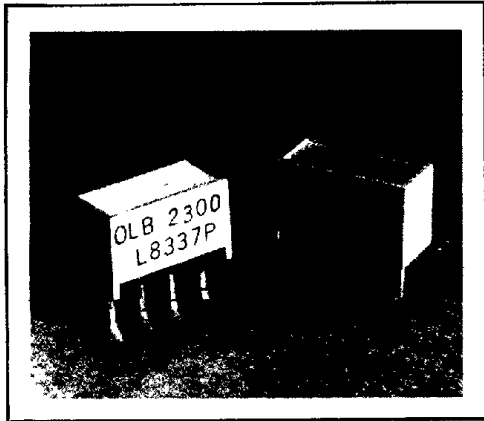


SIEMENS

SUPER-RED OLB 2300
YELLOW YLB 2400
GREEN GLB 2500
LIGHT BARS

T-41-31



Num. Displays
Bar Graphs
Light Bars

FEATURES

- Small Rectangular Package
- 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 SIP/DFP 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 2300/YLB 2400/GLB 2500 series light bars are rectangular displays designed for applications requiring a large light emitting area. They are configured in a single in-line package and contain a single light emitting area. The OLB 2300 and YLB 2400 devices utilize two LED chips which are made from GaAsP on a transparent GaP substrate. The GLB 2500 device utilizes two chips made from GaP on a transparent GaP substrate.

Maximum Ratings

	OLB 2300 & GLB 2500	YLB 2400
Average Power Dissipation per LED chip	135mW	85mW
Peak Forward Current per LED chip	90mA	60mA
$T_a = 50^\circ\text{C}$ (max pulse width = 2ms)		
Average Forward Current per LED	25mA	20mA
Pulsed conditions ($T_a = 50^\circ\text{C}$)		
DC Forward Current Per LED	30mA	25mA
($T_a = 50^\circ\text{C}$)		
Reverse Voltage per LED chip	6V	
Operating Temperature	-40°C to $+85^\circ\text{C}$	
Storage Temperature	-40°C to $+85^\circ\text{C}$	
Lead Soldering Temperature,	260°C for 3 sec	
1/16 inch below seating plane		
Junction Temperature	100°C	

Electrical/Optical Characteristics (@ 25°C)

Parameters	Min.	Typ.	Max.	Units	Test Conditions
Luminous Intensity					
OLB2300	4.5	10		mcad	20mA DC
YLB2400	4	6		mcad	20mA DC
GLB2500	3.7	10		mcad	20mA DC
Peak Wavelength				nm	
OLB2300		635		nm	
YLB2400		583		nm	
GLB2500		565		nm	
Dominant Wavelength				nm	
OLB2300		626		nm	
YLB2400		585		nm	
GLB2500		572		nm	
Forward Voltage				V	
OLB2300	1.9	2.6		V	$I_F = 20\text{mA}$
YLB2400	2	2.6		V	$I_F = 20\text{mA}$
GLB2500	2.1	2.6		V	$I_F = 20\text{mA}$
Reverse Voltage				V	
OLB2300	6	15		V	$I_R = 100\mu\text{A}$
YLB2400	6	15		V	$I_R = 100\mu\text{A}$
GLB2500	6	15		V	$I_R = 100\mu\text{A}$