

T-41-31

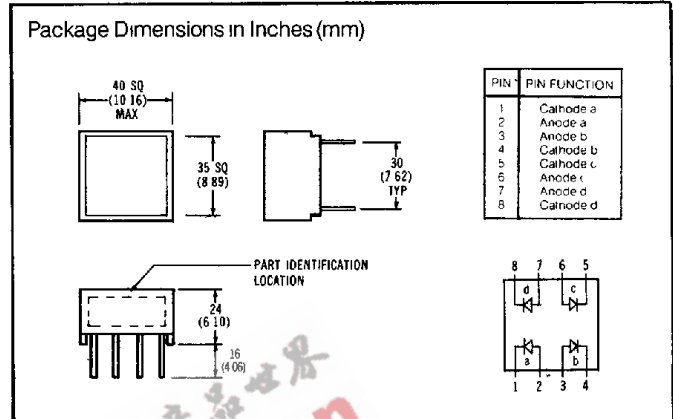
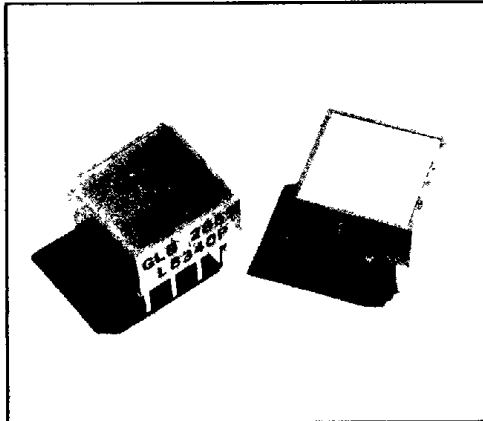
**SIEMENS**

**SUPER RED OLB 2655**

**YELLOW YLB 2755**

**GREEN GLB 2855**

**LIGHT BARS**



Num. Displays  
Bar Graphs  
Light Bars

**FEATURES**

- Square 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 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 2655/YLB 2755/GLB 2855 series light bars are square displays designed for application requiring a large light emitting area. They are configured in a dual in-line package and contain a single light emitting area. The OLB 2655 and YLB 2755 devices utilize four LED chips which are made from GaAsP on a transparent GaP substrate. The GLB 2855 device utilizes four chips made from GaP on a transparent GaP substrate.

**Maximum Ratings**

	OLB 2655 & GLB 2855	YLB 2755
Average Power Dissipation per LED chip	135mW	85mW
Peak Forward Current per LED chip	90mA	60mA
Ta = 50°C (max pulse width = 2ms)		
Average Forward Current per LED	25mA	20mA
Pulsed conditions (Ta = 50°C)		
DC Forward Current Per LED	30mA	25mA
(Ta = 50°C)		
Reverse Voltage per LED chip	6V	
Operating Temperature	-40°C to +85°C	
Storage Temperature	-40°C to +85°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				mod	
OLB2655	9	20			20mA DC
YLB2755	8	12			20mA DC
GLB2855	7.5	20			20mA DC
Peak Wavelength				nm	
OLB2655		635			
YLB2755		583			
GLB2855		565			
Dominant Wavelength				nm	
OLB2655		626			
YLB2755		585			
GLB2855		572			
Forward Voltage				V	
OLB2655		2.1	2.6		If = 20mA
YLB2755		2.2	2.6		If = 20mA
GLB2855		2.2	2.6		If = 20mA
Reverse Voltage				V	
OLB2655	6	15			IR = 100µA
YLB2755	6	15			IR = 100µA
GLB2855	6	15			IR = 100µA