

T-41-31

FAMILY SERIES

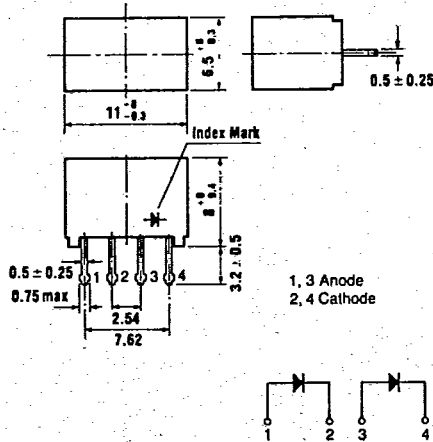
SSB-LX253XXL

MAIN FEATURES

- LARGE LIGHT BAR 6.5 x 11 MM LIGHTED AREA
- UNIFORMLY LIGHTED AREA
- CHOICE OF FOUR COLORS, TWO CHIPS

PACKAGE DIMENSIONS

(Dimensions in Millimeters)



WHITE NYLON CASE

WHERE AND HOW TO USE THIS SERIES

- BACKLIGHTING OF LEGENDS, LCD DISPLAYS
- PANEL, RECTANGULAR INDICATORS
- STATUS INDICATORS

Limits of Safe Operation (at 25°C) Per Chip			
Color	Power Dissip.	Power Derating Over +25°C/°C	Continuous IF Max.
Red	160 mW	-1.4 mW	70 mA
Br-Red	110 mW	-1.2 mW	35 mA
Green	110 mW	-1.2 mW	35 mA
Yellow	110 mW	-1.2 mW	35 mA
Orange	110 mW	-1.2 mW	35 mA
Peak Forward Current (1µs Pulse .03% Duty Cycle) 1.0 A			
Storage and Operating Temperature -55 to +100°C			
Soldering Time @ 230°C 5 Sec. Max.			

PART SELECTION AND APPLICATION INFORMATION (RATINGS AT 25°C AMBIENT)

Lumex Part Number	Use Code	Light Color (Wave Length)	Epoxy Lens Color	Avg Brightness At 15 mA (IF)	Viewing Angle	Forward Volts At 20 mA	Reverse Volts At 100 µA
SSB-LX253IDL	C,A	Red (630NM)	Red	6.0 MCD	120°	2.1 Typ. 2.8 Max.	4.0 VR
SSB-LX253GDL	C,A	Green (565NM)	Green	10.0 MCD	120°	2.1 Typ. 2.8 Max.	4.0 VR
SSB-LX253YDL	C,A	Yellow (585NM)	Yellow	6.0 MCD	120°	2.1 Typ. 2.8 Max.	4.0 VR
SSB-LX253ODL	C,A	Green (613NM)	Orange	6.0 MCD	120°	2.1 Typ. 2.8 Max.	4.0 VR

Use Code (A) Front Panels (B) Fault Indicator (C) Backlighting (D) Bright Point or Spot
See page 6 for typical operating curves