

LUMEX-Lites®

T-41-21

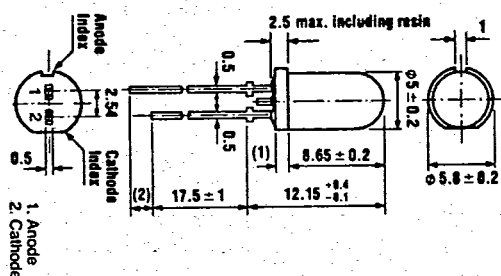
FAMILY SERIES MAIN FEATURES

SSL-LX50966XXT

- DUAL CHIP LEDS
- LOW OPERATING POWER
- IDEAL FOR BACKLIGHTING
- FOUR COLORS
- DIFFUSED LENSES
- 120° VIEWING ANGLE

PACKAGE DIMENSIONS

(Dimensions in Millimeters)



WHERE AND HOW TO USE THIS SERIES

- PANEL ILLUMINATION
- GAME BOARDS ILLUMINATION
- SWITCH ILLUMINATION

Limits of Safe Operation (at 25°C)

Color	Power Dissip.	Power Derating Over +25°C/°C	Continuous IF Max.
Or. Red	90 mW	- 1.1 mW	25 mA
Green	90 mW	- 1.1 mW	35 mA
Yellow	90 mW	- 1.1 mW	35 mA
Orange	90 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 @ 260°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 20 mA (IF)	Viewing Angle	Forward Volts At 20 mA	Reverse Volts At 100 μA
SSL-LX50966IT	C,D	Or-Red (635NM)	Red Transp.	20 MCD	120°	4.2 Typ. 5.4 Max.	8.0 BVR Min.
SSL-LX50966GT	C,D	Green (565NM)	Green Transp.	25 MCD	120°	4.2 Typ. 5.4 Max.	8.0 BVR Min.
SSL-LX50966YT	C,D	Yellow (570NM)	Yellow Transp.	20 MCD	120°	4.2 Typ. 5.4 Max.	8.0 BVR Min.
SSL-LX50966OT	C,D	Orange (610NM)	Orange Transp.	25 MCD	120°	4.2 Typ. 5.4 Max.	8.0 BVR Min.

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