

T-41-21

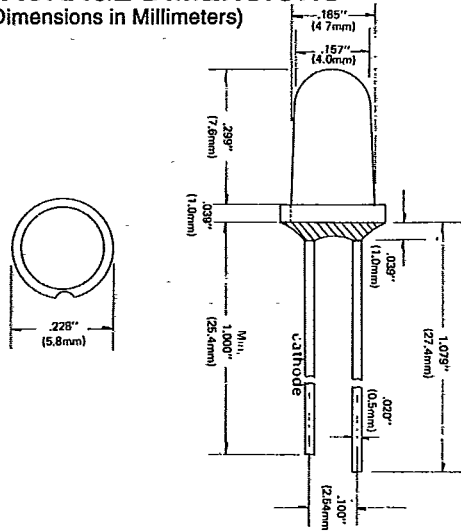
**FAMILY SERIES
MAIN FEATURES**

SSL-LX50493XXX BI-COLOR

- LED CHANGES COLOR IN REVERSE MODE
- ANY TWO COLOR COMBINATIONS AVAILABLE
- BOTH COLORS ON IN A.C. MODE
- HIGH ON/OFF CONTRAST
- LOW OPERATING CURRENT
- MILKY WHITE LENS

PACKAGE DIMENSIONS

(Dimensions in Millimeters)



WHERE AND HOW TO USE THIS SERIES

- POLARITY INDICATORS
- PANEL BI-COLOR INDICATORS
- (GO-NO GO) INDICATORS
- (GOOD-BAD) FAULT INDICATORS

Limits of Safe Operation (at 25°C)

Color	Power Dissip.	Power Derating Over +25°C/°C	Continuous IF Max.
Red	160 mW	- 1.8 mW	70 mA
Dk-Red	110 mW	- 1.3 mW	35 mA
Green	110 mW	- 1.3 mW	35 mA
Yellow	110 mW	- 1.3 mW	35 mA
Ora/Red	110 mW	- 1.3 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	Cathode (-) Light Color (Lead 1)	Cathode (-) Light Color (Lead 2)	Lens Color	Avg. Brightness At 20 mA	Typical Forward Volts	Cathode Lead Position/Color Driven
SSL-LX50493RGW	A	Red (655NM)	Green (565NM)	Milky White	2.0 MCD Red, 2.5 MCD Green	2.0 VF	Red (-) Short, Green (-) Long
SSL-LX50493HGW	A	Dk-Red (700NM)	Green (565NM)	Milky White	2.0 MCD Red, 2.5 MCD Green	2.1 VF	Red (-) Short, Green (-) Long
SSL-LX50493HYW	A	Dk-Red (700NM)	Yellow (585NM)	Milky White	2.0 MCD Red, 2.4 MCD Yellow	2.1 VF	Red (-) Short, Yellow (-) Long
SSL-LX50493GYW	A	Green (565NM)	Yellow (585NM)	Milky White	2.5 MCD Green, 2.5 MCD Yellow	2.1 VF	Green (-) Short, Yellow (-) Long
SSL-LX50493IGW	A	Red (635NM)	Green (635NM)	Milky White	4.0 MCD Red, 1.5 MCD Green	2.1 VF	Red (-) Short, Green (-) Long

NOTE:

Available in Bi Polar Version—two chips same color in reverse polarity

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