

LUMEX-Lites®

T-41-21

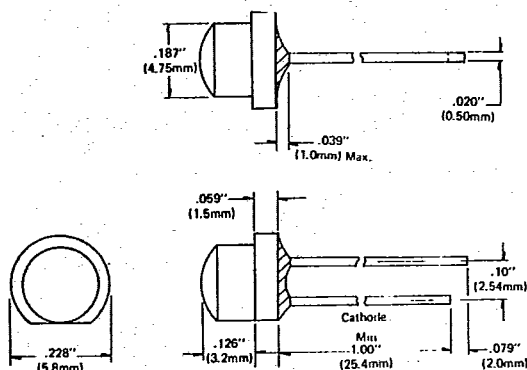
FAMILY SERIES MAIN FEATURES

SSL-LX5053

- SHORT PROFILE LED
- FLAT LENS
- LONG LEADS (1" MIN.)

- BACKLIGHTING PACKAGE
- FIVE COLORS
- LOW OPERATING POWER
- 2mA TYPE RED

PACKAGE DIMENSIONS (Dimensions in Millimeters)



WHERE AND HOW TO USE THIS SERIES

- BACKLIGHTING
- FRONT PANEL INDICATORS
- INTENSE LIGHT SPOT
- PHOTO SWITCHES
- LIGHTING LEGENDS
- MATRIX SIGNS
- FAULT INDICATORS

Limits of Safe Operation (at 25°C)

Color	Power Dissip.	Power Derating Over + 25°C/°C	Continuous IF Max.
Red	160 mW	- 1.4 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 @ 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-LX5053RD	A,B	Red (655NM)	Red Diffused	3.6 MCD	70°	1.7 Typ. 2.1 Max	3.0 BVR Min.
SSL-LX5053RT	C,D	Red (655NM)	Red Transp.	15.0 MCD	30°	1.7 Typ. 2.1 Max	3.0 BVR Min.
SSL-LX5053RC	C,D	Red (655NM)	Water Clear	20.0 MCD	20°	1.7 Typ. 2.1 Max	3.0 BVR Min.
SSL-LX5053ID	A,B	Br-Red (635NM)	Red Diffused	8.0 MCD	70°	2.0 Typ. 2.8 Max	5.0 BVR Min.
SSL-LX5053IT	C,D	Br-Red (635NM)	Red Transp.	40.0 MCD	30°	2.0 Typ. 2.8 Max	5.0 BVR Min.
SSL-LX5053IC	C,D	Br-Red (635NM)	Water Clear	50.0 MCD	20°	2.0 Typ. 2.8 Max	5.0 BVR Min.
SSL-LX5053GD	A,B	Green (565NM)	Green Diffused	5.0 MCD	70°	2.1 Typ. 2.8 Max	5.0 BVR Min.
SSL-LX5053GT	B,C	Green (565NM)	Green Transp.	15.0 MCD	30°	2.1 Typ. 2.8 Max	5.0 BVR Min.
SSL-LX5053GC	C,D	Green (565)	Water Clear	20.0 MCD	20°	2.1 Typ. 2.8 Max	5.0 BVR Min.
SSL-LX5053YD	A,B	Yellow (585NM)	Yellow Diffused	6.0 MCD	70°	2.1 Typ. 2.8 Max	5.0 BVR Min.
SSL-LX5053YT	B,C	Yellow (585NM)	Yellow Transp.	14.0 MCD	30°	2.1 Typ. 2.8 Max	5.0 BVR Min.
SSL-LX5053YC	C,D	Yellow (585NM)	Water Clear	16.0 MCD	20°	2.1 Typ. 2.8 Max	5.0 BVR Min.
SSL-LX5053OD	A,B	Orange (630NM)	Orange Diffused	8.0 MCD	70°	2.0 Typ. 2.8 Max	5.0 BVR Min.
SSL-LX5053OT	B,C	Orange (635NM)	Orange Transp.	40.0 MCD	30°	2.0 Typ. 2.0 Max	5.0 BVR Min.
SSL-LX5053ERT	B,C	Red (660NM)	Red Transp.	12.0 MCD @ 2 mA	30°	1.6 Typ. 1.9 Max	4.0 BVR Min.

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