

T-41-21

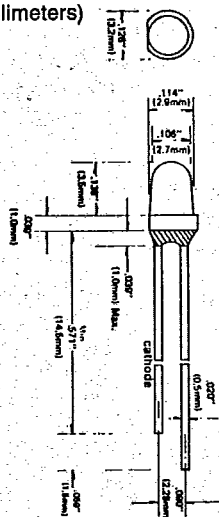
FAMILY SERIES
MAIN FEATURES

SSL-LX2042

- LOW COST
- DIFFUSED LENS
- SHORT PROFILE
- SMALLEST ϕ
- LOW OPERATOR POWER
- FOUR COLORS
- 2mA RED VERSION

PACKAGE DIMENSIONS

(Dimensions in Millimeters)



WHERE AND HOW TO USE THIS SERIES

- PANEL INDICATORS
- GAME BOARDS
- KEYBOARD
- TELEPHONES
- AMPLIFIERS
- DECORATIVE LIGHTING

Limits of Safe Operation (at 25°C)

| Color | Power Dissip. | Power Derating Over +25°C/°C | Continuous IF Max. |
|--------|---------------|------------------------------|--------------------|
| Red | 100 mW | - 1.1 mW | 50 mA |
| Red | 105 mW | - 1.4 mW | 35 mA |
| Green | 105 mW | - 1.4 mW | 35 mA |
| Yellow | 50 mW | - 1.6 mW | 30 mA |
| Orange | 105 mW | - 1.4 mW | 35 mA |

Peak Forward Current (1 μ s Pulse .01% Duty Cycle) 300 mA
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 20 mA (IF) | Viewing Angle | Forward Volts At 20 mA | Reverse Volts At 100 μ A |
|-------------------|----------|---------------------------|------------------|------------------------------|---------------|------------------------|------------------------------|
| SSL-LX2042RD | A,B | Red (655NM) | Red Diffused | 4.0 MCD | 80° | 1.7 Typ. 2.0 Max | 3.0 BVR Min. |
| SSL-LX2042RW | A,B | Red (655NM) | Milky White | 3.0 MCD | 80° | 1.7 Typ. 2.0 Max | 3.0 BVR Min. |
| SSL-LX2042IW | A,B | Br Red (635NM) | Milky White | 6.0 MCD | 80° | 2.1 Typ. 2.8 Max. | 5.0 BVR Min. |
| SSL-LX2042GD | A,B | Green (565NM) | Green Diffused | 8.0 MCD | 80° | 2.1 Typ. 2.8 Max. | 5.0 BVR Min. |
| SSL-LX2042GW | A,B | Green (565NM) | Green Diffused | 6.0 MCD | 80° | 2.1 Typ. 2.8 Max. | 5.0 BVR Min. |
| SSL-LX2042YD | A,B | Yellow (585NM) | Yellow Diffused | 6.0 MCD | 80° | 2.1 Typ. 2.8 Max. | 5.0 BVR Min. |
| SSL-LX2042YW | A,B | Yellow (585NM) | Milky White | 5.0 MCD | 80° | 2.1 Typ. 2.8 Max. | 5.0 BVR Min. |
| SSL-LX2042OD | A,B | Orange (630NM) | Orange Diffused | 5.0 MCD | 80° | 2.1 Typ. 2.8 Max. | 5.0 BVR Min. |
| SSL-LX2042SRD | A,B | Red (660NM) | Red Diffused | 8.0 MCD | 80° | 1.6 Typ. 1.9 Max. | 4.0 BVR Min. |
| SSL-LX2042ERD | A,B | Red (660NM) | Red Diffused | 3 MCD @ 2mA | 80° | 1.5 Typ. 1.8 Max. | 4.0 BVR Min. |



OTHER SPACER LENGTHS AVAILABLE AT NO EXTRA COST

Use Code **A** Front Panels **B** Fault Indicator **C** Backlighting **D** Bright Point or Spot

See page 6 for typical operating curves