

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Lumex, Inc.](#)
[SSL-LX3054ID-TR](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

| | | | | |
|------|-----------|-----|-----------------------------------|-----|
| DATE | REVISIONS | REV | DRAWING NUMBER SSL-LX3054ID-TR | REV |
|------|-----------|-----|-----------------------------------|-----|

ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-------------------|--------------|-----------|-----|----------|------------------------|
| PEAK WAVELENGTH | | 635 (RED) | | nm | |
| FORWARD VOLTAGE | | 2.0 | 2.8 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_f = 100\mu\text{A}$ |
| AXIAL INTENSITY | | 10 | | mcd | $I_f = 20\text{mA}$ |
| VIEWING ANGLE | | 60 | | 2x theta | |
| EMITTED COLOR | RED | | | | |
| EPOXY LENS FINISH | RED DIFFUSED | | | | |

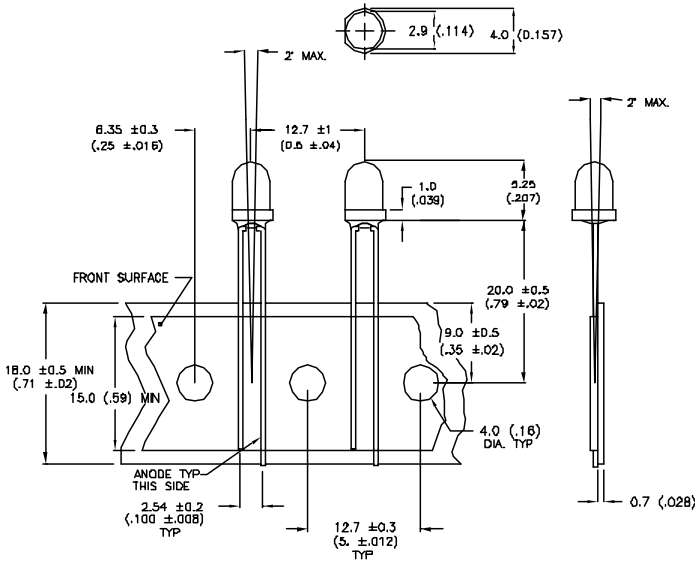
LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 25°C | -1.4 | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP | -40 TO +85 | $^\circ\text{C}$ |
| LEAD SOLDERING TEMP | +260 | $^\circ\text{C}$ |
| 2.0mm FROM BODY | | 3 SEC. MAX |

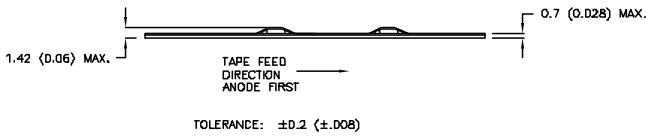
* $t < 10\mu\text{s}$

RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



NOTE
1. 1.5K PER REEL



| | | | |
|--|-----------------------------------|--|-------|
| | | 292 E. HELLEN ROAD PALATINE, ILLINOIS 60067 (708) 359-2790 | |
| | | <small>CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX OPTO/COMPONENTS, INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX OPTO/COMPONENTS, INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.</small> | |
| DATE: 8-19-96 | DWN: | CHK'D: | APPD: |
| SCALE: N/A | | | |
| T-3 (T-1) LED, RED DIFFUSED TAPE AND REEL | | | |
| PAGE 1 OF 1 | DRAWING NUMBER SSL-LX3054ID-TR | | REV |