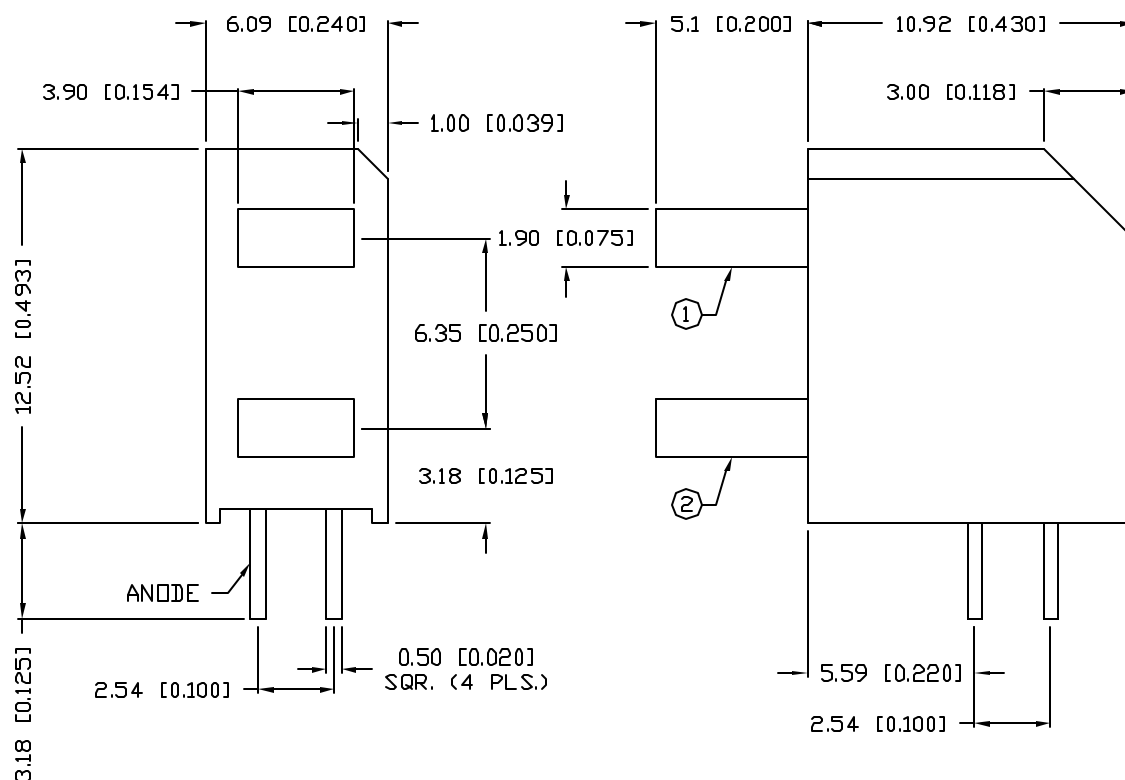


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20\text{mA}$ 

| PARAMETER                                         | GREEN | RED | UNITS    | TEST COND            |
|---------------------------------------------------|-------|-----|----------|----------------------|
| PEAK WAVELENGTH                                   | 565   | 635 | nm       |                      |
| FORWARD VOLTAGE (TYP.)                            | 2.2   | 2.0 | $V_f$    |                      |
| FORWARD VOLTAGE (MAX.)                            | 2.6   | 2.5 | $V_f$    |                      |
| REVERSE VOLTAGE                                   | 5.0   | 5.0 | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY                                   | 8     | 8   | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                     | 110   | 110 | 2x theta |                      |
| LED POSITION:                                     | 2     | 1   |          |                      |
| EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR |       |     |          |                      |

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$ 

| PARAMETER                      | COLORS | MAX        | UNITS                |
|--------------------------------|--------|------------|----------------------|
| PEAK FORWARD CURRENT*          |        | 150        | mA                   |
| STEADY CURRENT                 | (G/R)  | 25/30      | mA                   |
| POWER DISSIPATION              |        | 105        | mW                   |
| DERATE FROM $25^\circ\text{C}$ |        | -1.2       | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.       |        | -40 TO +85 | $^\circ\text{C}$     |
| SOLDERING TEMP.                |        | +260       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                |        |            | 3 SEC. MAX           |

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

## NOTES:

1. SSL-LX2473ID, RED LED.
2. SSL-LX2473GD, GREEN LED.

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= +DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SSF-H2247IGD

2mm x 4mm RECTANGULAR DUAL TOWER,

POS. 1: RED, POS.2: GREEN, COLORED DIFFUSED.

## CONFIDENTIAL INFORMATION

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## 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.



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SCALE: N/A