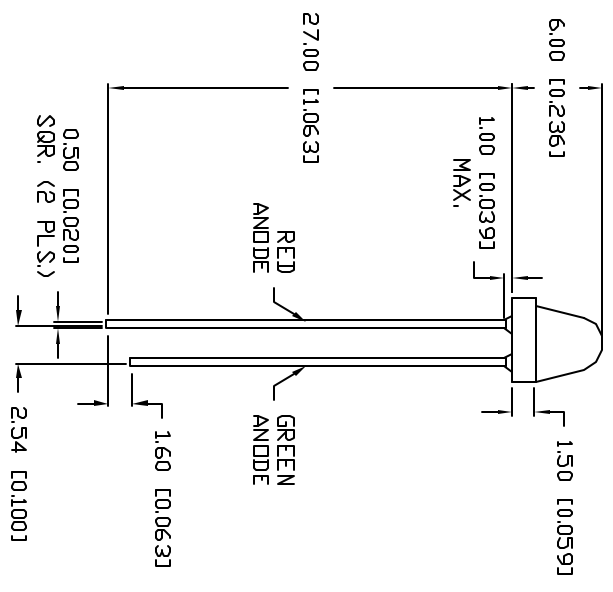
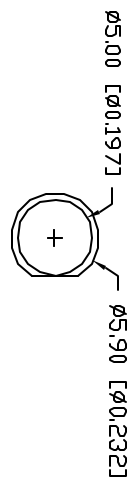


| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
|------|-------------------------------------|---------|
| A    | E.C.N. #10BRDR. & REDRAWN IN 3D.    | 4.19.01 |



ELECTRO-OPTICAL CHARACTERISTICS I<sub>A</sub>=25°C I<sub>F</sub>=20mA

| PARAMETER             | MIN | TYP                  | MAX     | UNITS          | TEST COND             |
|-----------------------|-----|----------------------|---------|----------------|-----------------------|
| PEAK WAVELENGTH       |     | 700 (RED)            |         | nm             |                       |
|                       |     | 565 (GREEN)          |         | nm             |                       |
| FORWARD VOLTAGE (R/G) |     | 2.0/2.2              | 2.5/2.6 | V <sub>F</sub> | I <sub>F</sub> =100µA |
| REVERSE VOLTAGE       |     | 5.0                  |         | V <sub>R</sub> | I <sub>F</sub> =20mA  |
| AXIAL INTENSITY (R/G) |     | 3/4                  |         | md             |                       |
| VIEWING ANGLE         |     | 60                   |         | 2x theta       |                       |
| EMITTED COLOR:        |     | RED/GREEN            |         |                |                       |
| EPOXY LENS FINISH:    |     | MILKY WHITE DIFFUSED |         |                |                       |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER                | COLORS | MAX        | UNITS      |
|--------------------------|--------|------------|------------|
| PEAK FORWARD CURRENT*    |        | 150        | mA         |
| STEADY CURRENT           |        | 25         | mA         |
| POWER DISSIPATION        | (R/G)  | 120/105    | mW         |
| DERATE FROM 25°C         |        | -1.2       | mW/°C      |
| OPERATING, STORAGE TEMP. |        | -40 TO +85 | °C         |
| SOLDERING TEMP.          |        | +260       | °C         |
| 2.0mm FROM BODY          |        |            | 3 SEC. MAX |

\* t<10µs

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=#1 (+0.03), X±=#0.5 (+0.020), XX±=#1.25 (+0.010), XXX±=#0.127 (+0.005), LEAD SIZE=#0.08 (+0.002), LEAD LENGTH=#0.75 (+0.030), MIN=-0.00

PART NUMBER  
SSL-LX5063HGW

REV. A  
T-5mm (T-1 3/4) 700nm RED/565nm GREEN BICOLOR LED,  
MILKY WHITE DIFFUSED LENS.

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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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