

UNCONTROLLED DOCUMENT

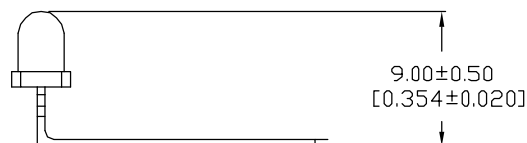
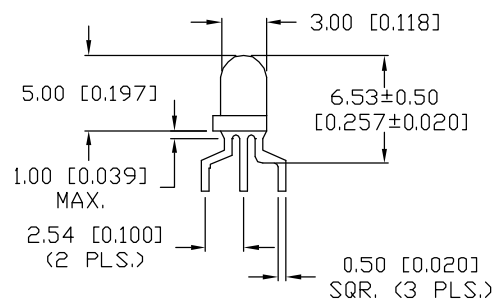
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PART NUMBER

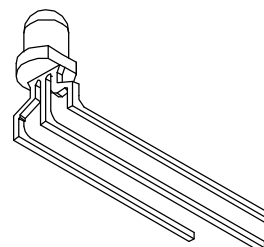
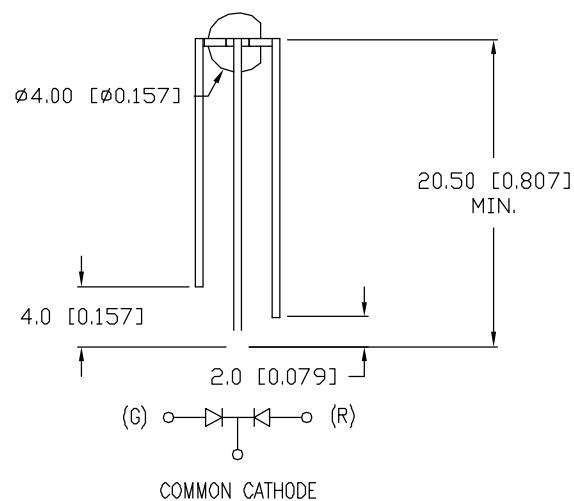
REV.

SSL-LX3059IGW-BL9

PRELIMINARY IN P/N DIR

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       |                      |
|                       |     | 565 (GREEN)    |         | nm       |                      |
| FORWARD VOLTAGE (R/G) |     | 2.0/2.2        | 2.5/2.6 | $V_f$    |                      |
| REVERSE VOLTAGE       | 5.0 |                |         | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY (R/G) |     | 30             |         | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE         |     | 60             |         | 2x theta |                      |
| EMITTED COLOR:        |     | RED/GREEN      |         |          |                      |
| EPOXY LENS FINISH:    |     | WHITE DIFFUSED |         |          |                      |

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

| PARAMETER                      | COLORS | MAX        | UNITS                      |
|--------------------------------|--------|------------|----------------------------|
| PEAK FORWARD CURRENT*          |        | 150        | mA                         |
| STEADY CURRENT                 | (R/G)  | 30/25      | mA                         |
| POWER DISSIPATION              |        | 105        | mW                         |
| DERATE FROM $25^\circ\text{C}$ |        | -1.6       | $\text{mW}/^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.       |        | -40 TO +85 | $^\circ\text{C}$           |
| SOLDERING TEMP.                |        | +260       | $^\circ\text{C}$           |
| 2.0mm FROM BODY                |        |            | 3 SEC. MAX                 |

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

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

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T-3mm (T-1) TRI-LEADED LED, COMMON CATHODE,  
635nm RED/565nm GREEN BICOLOR LED,  
WHITE DIFFUSED LENS, BENT LEADS.

## 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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PAGE: 1 OF 1

SCALE: N/A