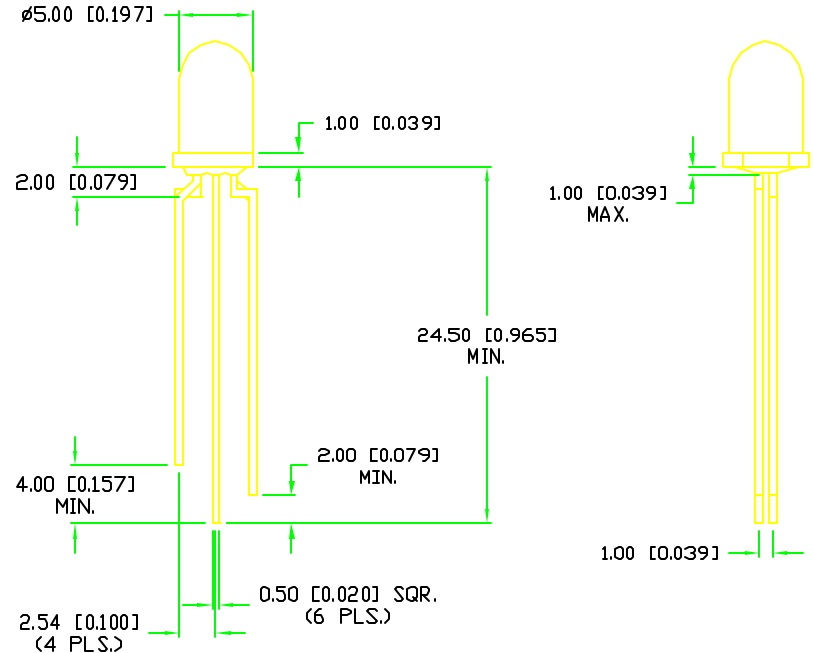


| DATE | REVISIONS | REV |
|---------|-----------------------------|-----|
| 6-25-96 | E.C.N. #10195./ | A |
| 3-26-98 | E.C.N. #10BRDR. & REDRAWN./ | B |

| DRAWING NUMBER | REV |
|-------------------|-----|
| SSL-LX5099IGBBW/A | B |

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 | |
| | | 585 (GREEN) | | nm | |
| | | 430 (BLUE) | | nm | |
| FORWARD VOLTAGE (R) | | 2.0 | 2.5 | V_f | |
| | (G) | 2.2 | 2.6 | V_f | |
| | (B) | 4.5 | 5.0 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r = 100\mu\text{A}$ |
| AXIAL INTENSITY (R/G/B) | | 55/45/8 | | mcd | $I_f = 20\text{mA}$ |
| VIEWING ANGLE | | 30 | | $2 \times \theta$ | |
| EMITTED COLOR: | RED/GREEN/BLUE (MULTI-COLOR) | | | | |
| EPOXY LENS FINISH: | MILKY WHITE DIFFUSED | | | | |

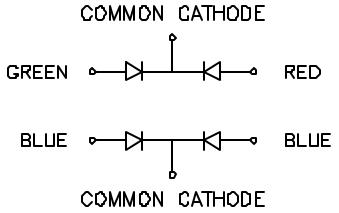
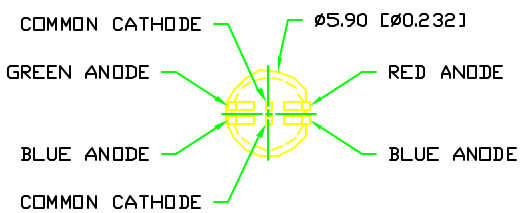


LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | COLORS | MAX | UNITS |
|--------------------------|---------|----------------|------------|
| PEAK FORWARD CURRENT* | (R/G/B) | 150/150/200 | mA |
| STEADY CURRENT | (R/G/B) | 30/25/30 | mA |
| POWER DISSIPATION | | 105 | mW |
| DERATE FROM 25°C | (R/G/B) | -1.2/-1.2/-2.0 | mW/°C |
| OPERATING, STORAGE TEMP. | | -40 TO +85 | °C |
| SOLDERING TEMP. | | +260 | °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. B



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| | | | |
|---------------|------|--------|-------|
| DATE: 5-28-96 | DWN: | CHK'D: | APPD: |
| SCALE: N/A | | | |

T-5mm (T-1 3/4) LED, 6 LEAD, MULTI-COLOR RGB, MILKY WHITE DIFFUSED LENS, COMMON CATHODE.

UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010''$)

| | | |
|-------------|-------------------------------------|----------|
| PAGE 1 OF 1 | DRAWING NUMBER SSL-LX5099IGBBW/A | REV B |
|-------------|-------------------------------------|----------|

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