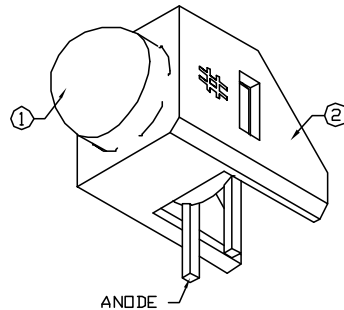
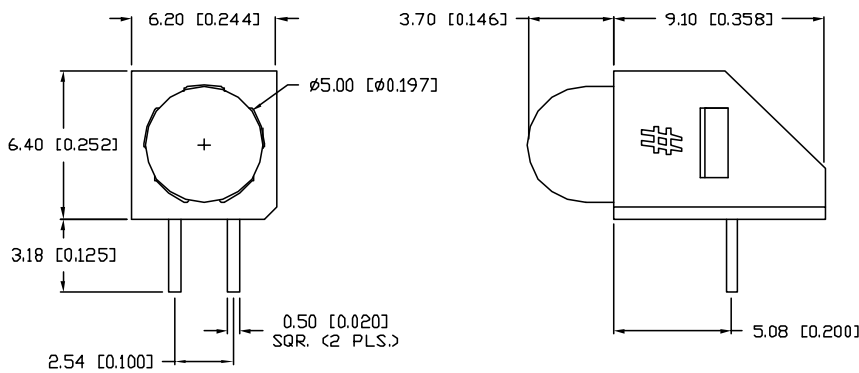


UNCONTROLLED DOCUMENT

PART NUMBER
SSF-LXH104SRC/E

REV.
B

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|-------------------------------------|---------|
| A | E.C.N. #10113 & #10207. | 7.29.96 |
| B | E.C.N. #10BRDR. & REDRAWN IN 3D. | 5.15.02 |



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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|-------------|------|-----|----------|----------------------|
| PEAK WAVELENGTH | | 660 | | nm | |
| FORWARD VOLTAGE | | 1.7 | 2.2 | V_f | |
| REVERSE VOLTAGE | 4.0 | | | V_r | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY | 2000 | 3000 | | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 30 | | 2x theta | |
| EMITTED COLOR: | RED | | | | |
| EPOXY LENS FINISH: | WATER CLEAR | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|----------------------------------|------------|------------------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 100 | mW |
| DERATE FROM 25°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:

- SSL-LX5093SRC/E, RED LED.
- SSF-LXH104, BLACK HOLDER.

*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.=^{+DECIMAL PRECISION}_{+0.00}

UNCONTROLLED DOCUMENT

| | |
|-----------|--------------------------------|
| REV. B | PART NUMBER SSF-LXH104SRC/E |
|-----------|--------------------------------|

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T-5mm 9T-1 3/4) LED, REAR LOADING PCB INDICATOR,
660nm AlGaAs RED LED, WATER CLEAR LENS.

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.

| | | | |
|-----------------|-------------|--------------|---------------|
| DRAWN BY: BC | CHECKED BY: | APPROVED BY: | DATE: 3.14.95 |
| | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |