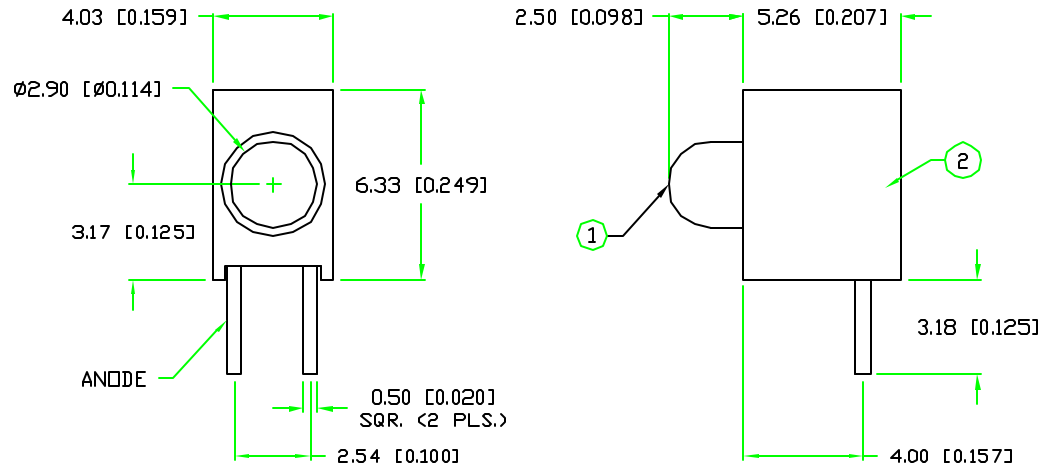


UNCONTROLLED DOCUMENT

PART NUMBER
SSF-LXH3030D

REV.
E

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|-------------------------------------|----------|
| A | REDRAWN./ | 12-6-93 |
| B | REMOVED 'MAX.' FROM DIMENSIONS./ | 12-16-93 |
| C | UPDATED SAFE OPER. SPECS./ | 10-12-94 |
| D | E.C.N. #10BRDR. & REDRAWN. | 9-2-98 |
| E | E.C.N. #1114B. | 01.08.08 |



NOTES:

1. SSL-LX30440D, ORANGE LED.
2. SSH-LXH303 HOLDER, BLACK NYLON, UL 94V-0.

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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|-----------------|--------------|-----|----------------|----------------------|
| PEAK WAVELENGTH | | 620 (ORANGE) | | nm | |
| FORWARD VOLTAGE | | 2.0 | 2.5 | V _f | |
| REVERSE VOLTAGE | 5.0 | | | V _r | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY | | 40 | | med | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 60 | | 2x theta | |
| EMITTED COLOR: | ORANGE | | | | |
| EPOXY LENS FINISH: | ORANGE DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 25°C | -1.6 | mW/°C |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C |
| SOLDERING TEMP. | +260 | °C |
| 2.0mm FROM BODY | | 3 SEC. MAX |

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

*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. E | PART NUMBER SSF-LXH3030D |
| T-3 (T-1) LED FAULT INDICATOR, 620nm ORANGE LED, ORANGE 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.

290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

DRAWN BY: JN
CHECKED BY:
APPROVED BY:

| | |
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