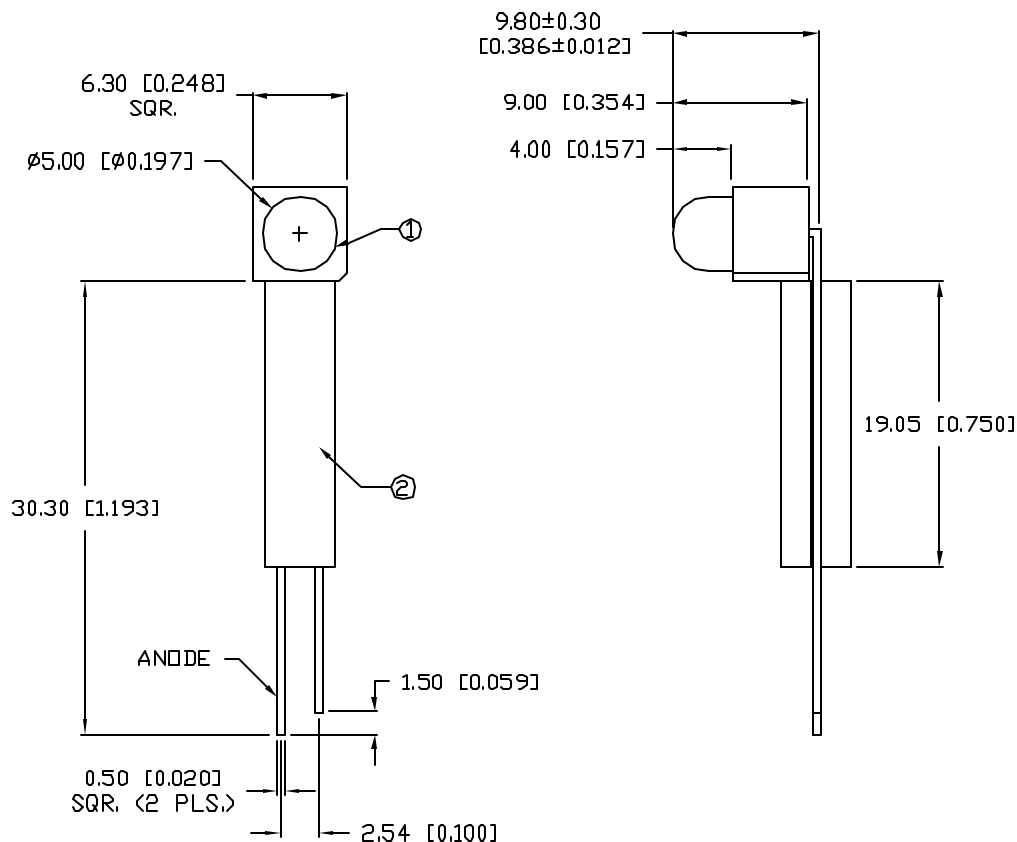


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CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.



| | | |
|--------------------|-------------------------------------|----------|
| PART NUMBER | | REV. |
| SSS-LX453SBD99750B | | A |
| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
| A | E.C.N. #11148. | 02.20.07 |

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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|---------------|-----|-----|----------|----------------------|
| PEAK WAVELENGTH | | 430 | | nm | |
| FORWARD VOLTAGE | | 4.0 | 4.5 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY | | 30 | | mcad | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 60 | | 2x theta | |
| EMITTED COLOR: | BLUE | | | | |
| EPOXY LENS FINISH: | BLUE DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT* | 100 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 98 | 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 |

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

NOTES:

1. SSF-LX453SBD-99, BLUE LED.
2. SSS-LX750B5, SPACER.
3. SPACER MUST BE SECURE IN POSITION.



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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= ^{+0.00}/_{-0.00} MAX= ^{+0.00}/_{-0.00} DECIMAL PRECISION

| | |
|------|--------------------|
| REV. | PART NUMBER |
| A | SSS-LX453SBD99750B |

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

T-5mm /T-1 3/4 LED INDICATOR, ONE PIECE EPOXY,
430nm BLUE LED, BLUE DIFFUSED LENS, 0.75" SPACER.

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: | CHECKED BY: | APPROVED BY: | DATE: |
| JC | | | 7.10.02 |
| | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |