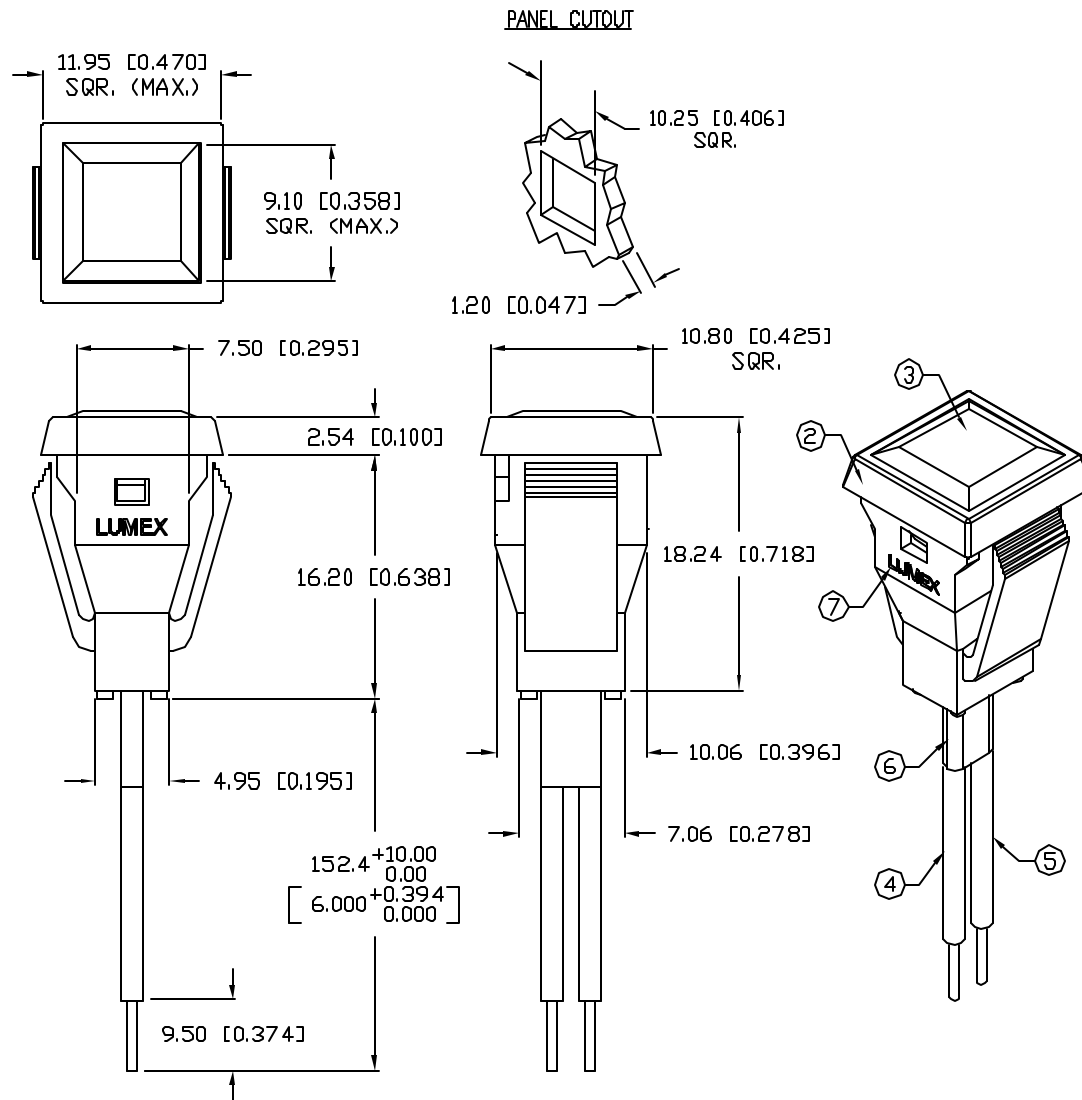


UNCONTROLLED DOCUMENT

PART NUMBER  
SSI-LXMP5011YC-150REV.  
A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
|------|-------------------------------------|---------|
| A    | E.C.N. #10808. & REDRAWN IN 3D.     | 11.2.01 |

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

| PARAMETER          | MIN         | TYP | MAX | UNITS           | TEST COND            |
|--------------------|-------------|-----|-----|-----------------|----------------------|
| PEAK WAVELENGTH    |             | 585 |     | nm              |                      |
| FORWARD VOLTAGE    |             | 2.1 | 2.5 | $V_f$           |                      |
| REVERSE VOLTAGE    | 5.0         |     |     | $V_r$           | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |             | 15  |     | med             | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |             | 60  |     | $2\times\theta$ |                      |
| EMITTED COLOR:     | YELLOW      |     |     |                 |                      |
| EPOXY LENS FINISH: | WATER CLEAR |     |     |                 |                      |

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

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT*          | 150        | mA                   |
| STEADY CURRENT                 | 30         | mA                   |
| POWER DISSIPATION              | 105        | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.2       | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.       | -40 TO +85 | $^\circ\text{C}$     |

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

## NOTES:

1. SSL-LX4073YD LED, YELLOW. (INSIDE)
2. SSH-LXMP5011 HOLDER, BLACK.
3. LXP-LXN5011C, WATER CLEAR LENS.
4. ANODE LEAD: LXP-WST24RDT0C, 24 AWG STRANDED, TOP OVERCOAT, RED INSULATION, CUT 180mm LONG, STRIP 4mm & 9.5mm.
5. CATHODE LEAD: LXP-WST24BLT0C, 24 AWG STRANDED, TOP OVERCOAT, BLACK INSULATION, CUT 180mm LONG, STRIP 4mm & 9.5mm.
6. HEAT SHRINK: LXP-HEATSHRINK-4, 1/8" x 1/2". (1 PIECE)
7. 'LUMEX' ON FRONT (ANODE SIDE) OF PART.

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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 DECIMAL PRECISION MAX=+0.00 / -0.00 DECIMAL PRECISION

REV.

A

PART NUMBER

SSI-LXMP5011YC-150

12mm SQUARE PANEL INDICATOR WITH LENS,  
585nm YELLOW LED, WATER CLEAR LENS, 6" WIRE LEADS.

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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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