

| PART NUMBER | SSB-COB6370GW-T-6                   | REV. | F    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 01.12.98    | E.C.N. #10408.                      |      | A    |
| 01.27.99    | E.C.N. #10BRDR. & REDRAWN.          |      | B    |
| 03.15.02    | E.C.N. #10BRDR. & 10842.            |      | C    |
| 04.26.07    | E.C.N. #11411.                      |      | D    |
| 08.14.07    | E.C.N. #11434.                      |      | E    |
| 05.17.11    | E.C.N. #10BRDR. & REDRAWN.          |      | F    |

## [D] ELECTRO-OPTICAL CHARACTERISTICS TA =25°C PER MODULE

| PARAMETER          | MIN         | TYP. | MAX | UNITS             | TEST COND      |
|--------------------|-------------|------|-----|-------------------|----------------|
| PEAK WAVELENGTH    |             | 565  |     | nm                |                |
| FORWARD VOLTAGE    |             | 24   | 28  | Vf                | Vr=200μA       |
| REVERSE VOLTAGE    | 5.0         |      |     | Vr                | If=100mA;140mA |
| LUMINOUS INTENSITY |             | 250  | 480 | cd/m <sup>2</sup> |                |
| EMITTED COLOR:     | GREEN       |      |     |                   |                |
| EPOXY LENS FINISH: | MILKY WHITE |      |     |                   |                |

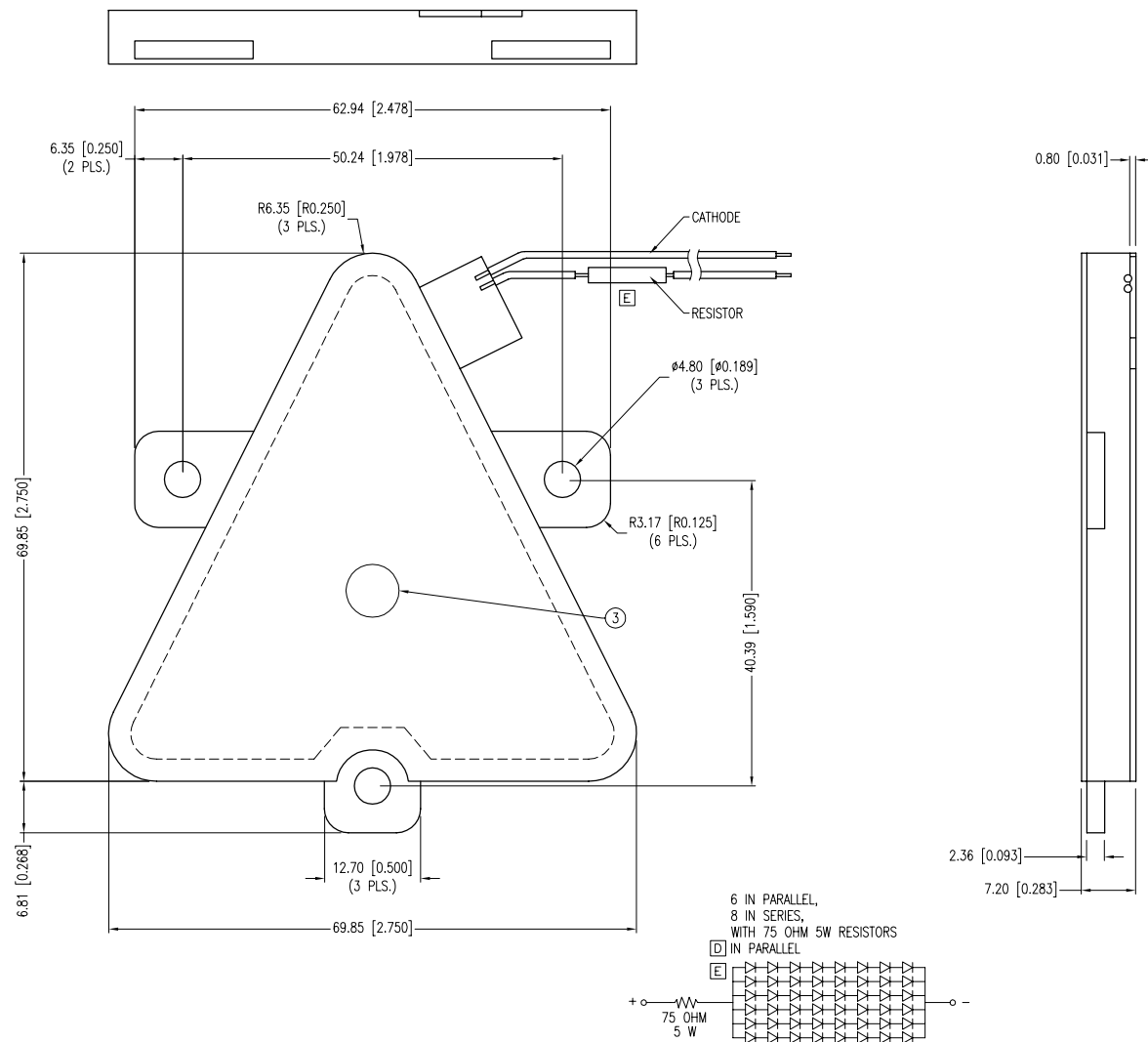
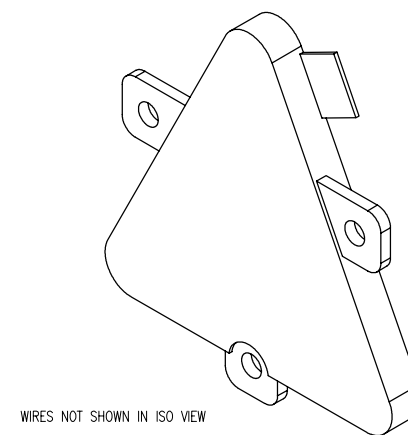
## LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER             | MAX        | UNITS     |
|-----------------------|------------|-----------|
| PEAK FORWARD CURRENT* | 150        | mA        |
| STEADY CURRENT        | 120        | mA        |
| POWER DISSIPATION     | 3.6        | mW        |
| DERATE FROM 25°C      | 67.4       | mW/°C     |
| OPERATING TEMP.       | -40 TO +85 | °C        |
| STORAGE TEMP.         | -40 TO +85 | °C        |
| SOLDERING TEMP.       | +260       | °C        |
| 2.0mm FROM BODY       | 3          | SEC. MAX. |

\* t&lt;10μS

## [C] NOTES:

1. BUNDLE WIRE.
2. GLUE WIRES TO BACK OF PART
3. COLOR MARK.



\*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= <sup>+DECIMAL PRECISION</sup> <sub>-0.00</sub> MAX= <sup>+0.00</sup> <sub>-DECIMAL PRECISION</sub>

UNCONTROLLED DOCUMENT



290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
FAX: +1.847.359.6538  
WEB: WWW.LUMEX.COM

TRIANGULAR BACKLIGHT DISPLAY, 48 CHIPS ON BOARD, 565nm GREEN, 24 VOLT.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

CONFIDENTIAL INFORMATION  
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL  
KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

|        |           |           |      |
|--------|-----------|-----------|------|
| DATE:  | 05.17.11  | DRAWN BY: | AB   |
| PAGE:  | 1 OF 1    | CHKD BY:  | SS   |
| SCALE: | NTS       | APRVD BY: | SS   |
| UNIT:  | mm [INCH] |           | (Pb) |