

UNCONTROLLED DOCUMENT

SC:0.75

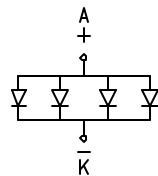
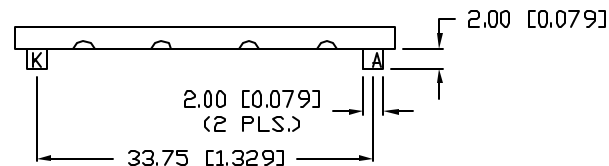
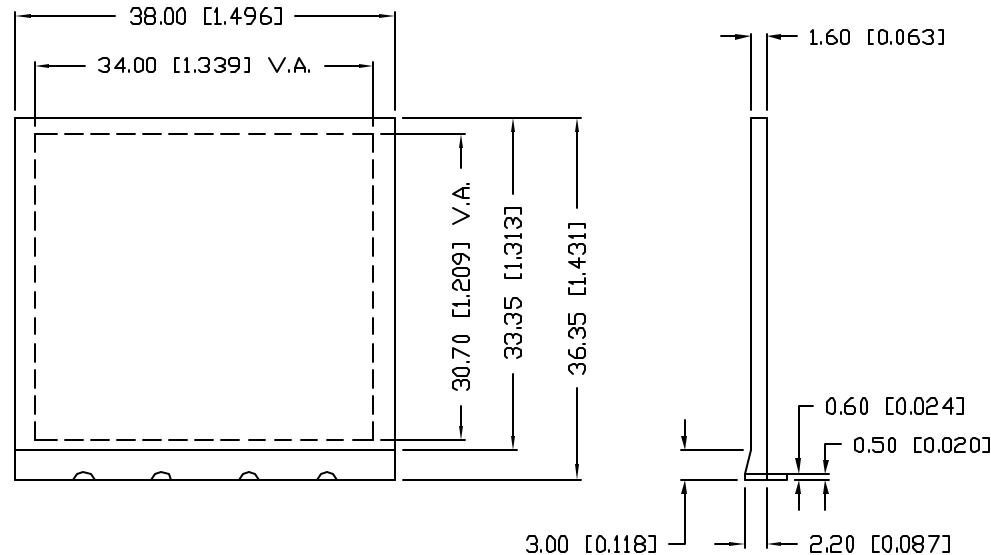
PART NUMBER

REV.

SSB-CET3430GC

P1

PRELIMINARY IN P/N DIR

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

| PARAMETER          | MIN   | TYP | MAX | UNITS                  | TEST COND            |
|--------------------|-------|-----|-----|------------------------|----------------------|
| PEAK WAVELENGTH    |       | 565 |     | nm                     |                      |
| FORWARD VOLTAGE    |       | 2.1 | 2.6 | $V_f$                  |                      |
| REVERSE VOLTAGE    | 5     |     |     | $V_r$                  | $V_r=100\mu\text{A}$ |
| LUMINOUS INTENSITY |       | 7.0 |     | $\text{cd}/\text{m}^2$ | $I_f=60\text{ mA}$   |
| EMITTED COLOR:     | GREEN |     |     |                        |                      |
| REFLECTOR FINISH:  | CLEAR |     |     |                        |                      |

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

## PER CHIP

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT*          | 150        | mA                   |
| STEADY CURRENT                 | 15         | mA                   |
| POWER DISSIPATION              | 80         | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.2       | mW/ $^\circ\text{C}$ |
| OPERATING TEMP.                | -30 TO +60 | $^\circ\text{C}$     |
| STORAGE TEMP.                  | -40 TO +60 | $^\circ\text{C}$     |
| SOLDERING TEMP.                | +260       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                | 3 SEC. MAX |                      |

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

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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, MAX= +0.00 DECIMAL PRECISION

REV.

PART NUMBER

P1

SSB-CET3430GC

## 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.

## 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

34mm x 30mm EDGE LIT EXTRA THIN LED BACKLIGHT,  
565nm GREEN LED, 4 CHIPS.

DRAWN BY:

GT

CHECKED BY:

APPROVED BY:

DATE: 9.20.02

PAGE: 1 OF 1

SCALE: N/A