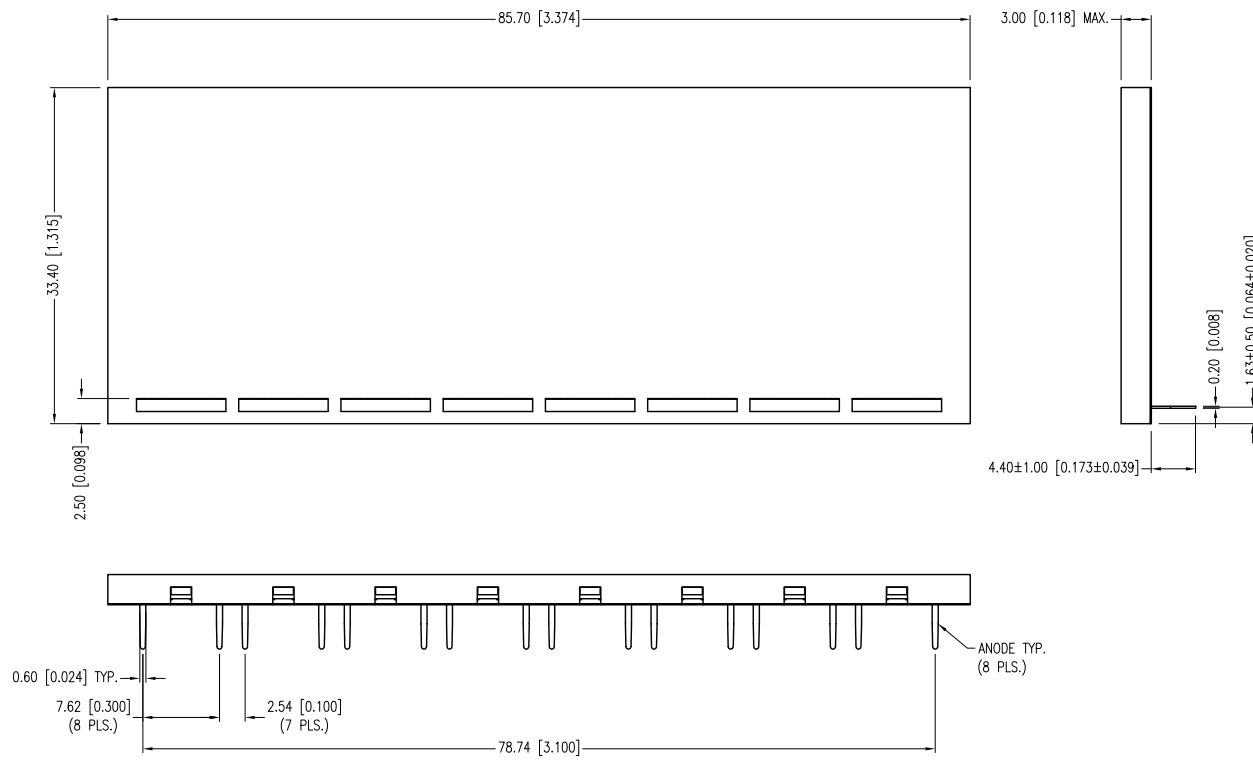


ELECTRO-OPTICAL CHARACTERISTICS  $T_a=25^{\circ}\text{C}$   $I_f=80\text{mA}$ 

| PARAMETER          | MIN         | TYP | MAX | UNITS             | TEST COND            |
|--------------------|-------------|-----|-----|-------------------|----------------------|
| PEAK WAVELENGTH    |             | 470 |     | nm                |                      |
| FORWARD VOLTAGE    |             | 7.0 | 8.0 | Vf                |                      |
| REVERSE VOLTAGE    | 10          |     |     | Vr                | Vr=8V                |
| LUMINOUS INTENSITY |             | 25  |     | cd/m <sup>2</sup> | I <sub>f</sub> =80mA |
| EMITTED COLOR:     | BLUE        |     |     |                   |                      |
| REFLECTOR FINISH:  | CLEAR WHITE |     |     |                   |                      |

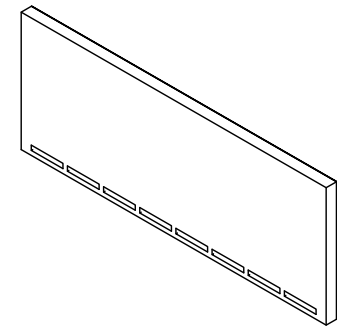
## LIMITS OF SAFE OPERATION AT 25°C PER DIE

| PARAMETER             | MAX        | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 200        | mA    |
| STEADY CURRENT        | 30         | mA    |
| POWER DISSIPATION     | 920        | mW    |
| DERATE FROM 25°C      | -1.2       | mW/°C |
| OPERATING TEMP.       | -20 TO +70 | °C    |
| STORAGE TEMP.         | -40 TO +80 | °C    |
| SOLDERING TEMP.       | +240       | °C    |
| 2.0mm FROM BODY       | 3          | SEC.  |

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

## NOTES:

- EDGE SURFACES TO BE PAINTED WITH REFLECTIVE PAINT.
- BACK SURFACE TO PAINTED WITH HIGH REFLECTIVE WHITE PAINT.
- SSH-DL8634W REFLECTOR.
- SSB-LX02USBC, SIDE EMITTING LED. (8 PCS.)



\*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=  $\begin{matrix} \text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$  MAX.=  $\begin{matrix} \text{DECIMAL PRECISION} \\ +0.00 \end{matrix}$

UNCONTROLLED DOCUMENT



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QUANTUMBRITE 86 x 36mm BACKLIGHT, 8 MODULES, 470nm BLUE.

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

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 09.05.12  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | SS |
| SCALE: | NTS       | APRVD BY: | SS |
| UNIT:  | mm [INCH] |           | Ⓟ  |