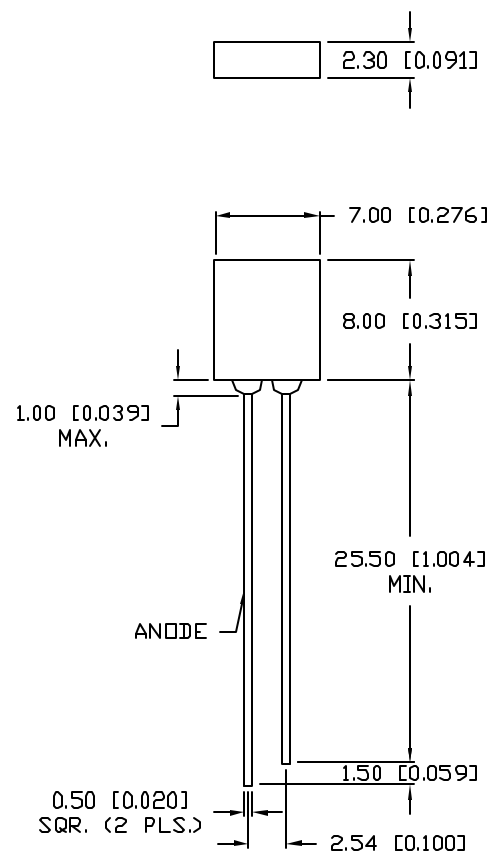
ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=20\text{mA}$ 

| PARAMETER          | MIN           | TYP | MAX | UNITS     | TEST COND            |
|--------------------|---------------|-----|-----|-----------|----------------------|
| PEAK WAVELENGTH    |               | 470 |     | nm        |                      |
| FORWARD VOLTAGE    |               | 3.5 | 4.0 | $V_f$     |                      |
| REVERSE VOLTAGE    | 5.0           |     |     | $V_r$     | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |               | 50  |     | med       | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |               | 110 |     | $2\theta$ |                      |
| EMITTED COLOR:     | BLUE          |     |     |           |                      |
| EPOXY LENS FINISH: | BLUE DIFFUSED |     |     |           |                      |

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

| PARAMETER                        | MAX         | UNITS                  |
|----------------------------------|-------------|------------------------|
| PEAK FORWARD CURRENT*            | 100         | mA                     |
| STEADY CURRENT                   | 30          | mA                     |
| POWER DISSIPATION                | 98          | mW                     |
| DERATE FROM $25^{\circ}\text{C}$ | -1.2        | mW/ $^{\circ}\text{C}$ |
| OPERATING, STORAGE TEMP.         | -55 TO +100 | $^{\circ}\text{C}$     |
| SOLDERING TEMP.                  | +260        | $^{\circ}\text{C}$     |
| 1.6mm FROM BODY                  |             | 5 SEC. MAX             |

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

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

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE:  $X=\pm 1$  ( $\pm 0.039$ ),  $X.X=\pm 0.5$  ( $\pm 0.020$ ),  $X.XX=\pm 0.25$  ( $\pm 0.010$ ),  $X.XXX=\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ), MIN=  $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$  MAX=  $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$

REV.

PART NUMBER

SSL-LX25783USBD

2.3mm x 8mm RECTANGULAR LED,  
470nm ULTRA SUPER BLUE, BLUE DIFFUSED LENS.

## CONFIDENTIAL INFORMATION

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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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PAGE: 1 OF 1

SCALE: N/A