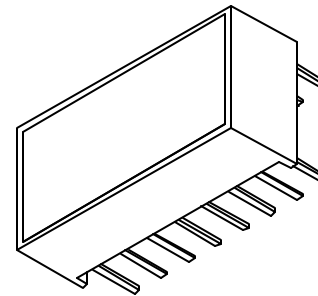
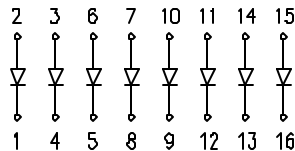
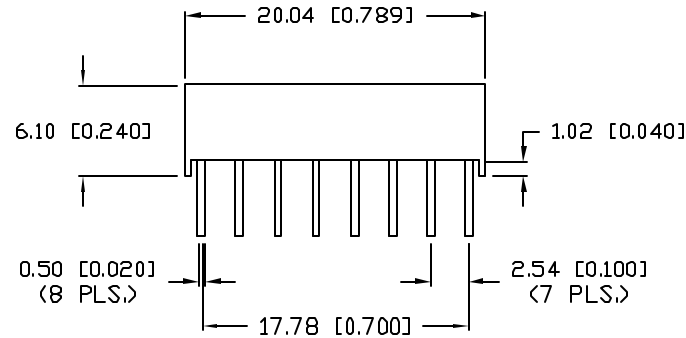
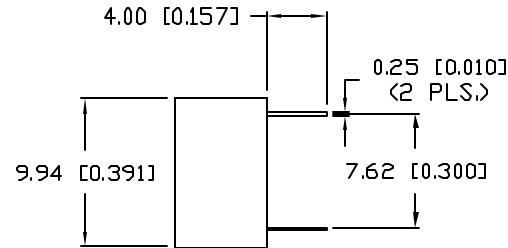
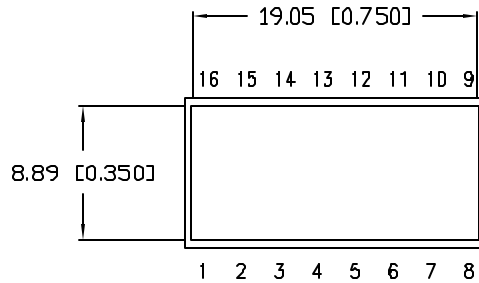


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PART NUMBER  
SSB-LX2785SYW

REV.



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

| PARAMETER          | MIN                  | TYP | MAX | UNITS    | TEST COND            |
|--------------------|----------------------|-----|-----|----------|----------------------|
| PEAK WAVELENGTH    |                      | 590 |     | nm       |                      |
| FORWARD VOLTAGE    |                      | 2.0 | 2.6 | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0                  |     |     | $V_r$    | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY    |                      | 200 |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |                      | 160 |     | 2x theta |                      |
| EMITTED COLOR:     | YELLOW               |     |     |          |                      |
| EPOXY LENS FINISH: | MILKY WHITE DIFFUSED |     |     |          |                      |

LIMITS OF SAFE OPERATION AT 25°C PER DIE

| PARAMETER                | MAX        | UNITS      |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT*    | 150        | mA         |
| STEADY CURRENT           | 30         | mA         |
| POWER DISSIPATION        | 105        | mW         |
| DERATE FROM 25°C         | -0.5       | mW/°C      |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C         |
| SOLDERING TEMP.          | +260       | °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.=<sup>+0.00</sup><sub>-0.00</sub> DECIMAL PRECISION, MAX.=<sup>+0.00</sup><sub>-0.00</sub> DECIMAL PRECISION

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19.05mm x 8.89mm LIGHT BAR,  
MILKY WHITE DIFFUSED.

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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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DATE: 6.22.01

PAGE: 1 OF 1

SCALE: N/A