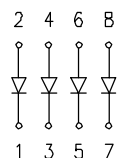
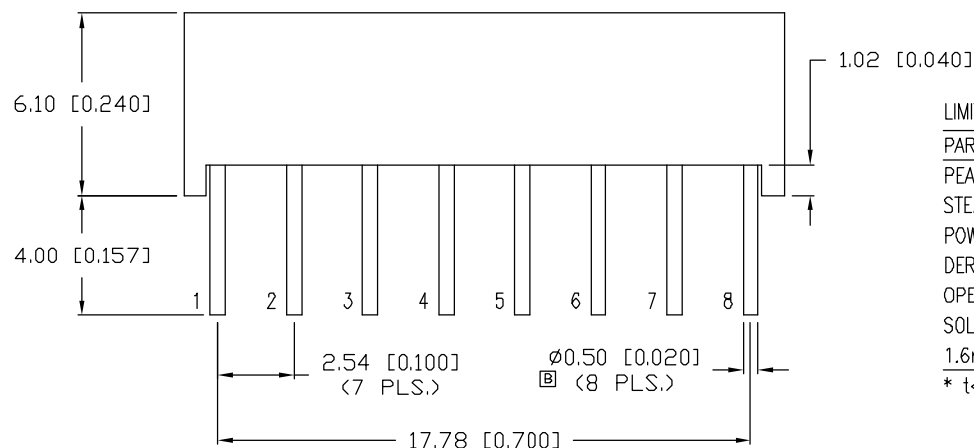
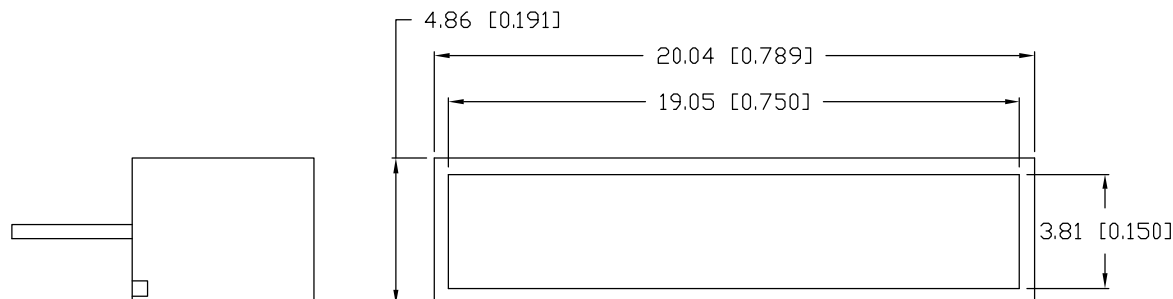


| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #10613.                      | 04.11.00 |
| B    | E.C.N. #11545.                      | 11.19.08 |

## UNDER REVISION

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

| PARAMETER          | MIN          | TYP  | MAX | UNITS          | TEST COND            |
|--------------------|--------------|------|-----|----------------|----------------------|
| PEAK WAVELENGTH    |              | 660  |     | nm             |                      |
| FORWARD VOLTAGE    |              | 1.85 | 2.2 | $V_f$          |                      |
| REVERSE VOLTAGE    | 5.0          |      |     | $V_r$          | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |              | 200  |     | $\mu\text{cd}$ | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |              | 160  |     | 2x theta       |                      |
| EMITTED COLOR:     | RED          |      |     |                |                      |
| EPOXY LENS FINISH: | RED DIFFUSED |      |     |                |                      |



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

| PARAMETER                | MAX        | UNITS      |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT*    | 150        | mA         |
| STEADY CURRENT           | 30         | mA         |
| POWER DISSIPATION        | 75         | mW         |
| DERATE FROM 25°C         | -0.9       | mW/°C      |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C         |
| SOLDERING TEMP.          | +260       | °C         |
| 1.6mm FROM BODY          |            | 3 SEC. MAX |

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

UNCONTROLLED DOCUMENT

\*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.=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV.

B

PART NUMBER

SSB-LXB100SRD

5 X 20mm LIGHT BAR, 660nm RED CHIPS,  
RED 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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DATE: 04.08.93

PAGE: 1 OF 1

SCALE: N/A