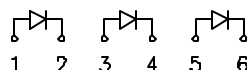
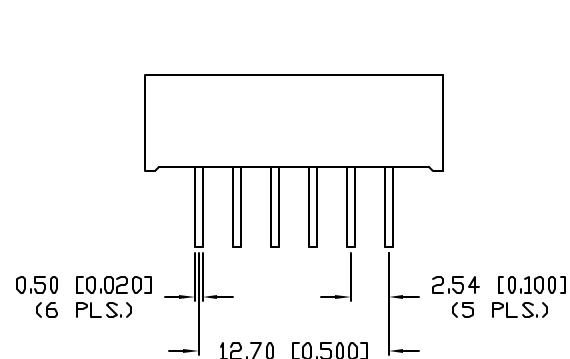
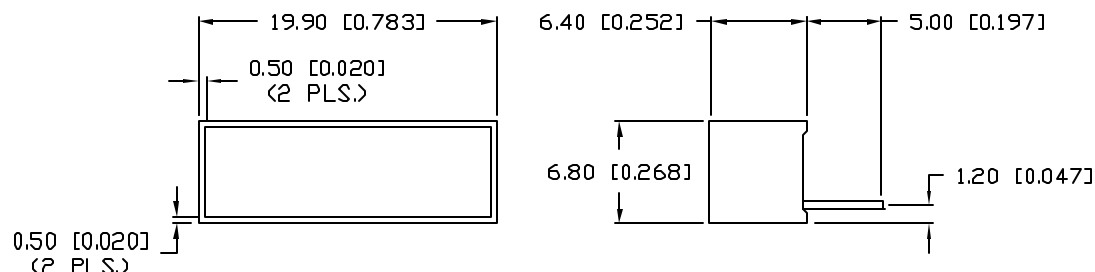


UNCONTROLLED DOCUMENT

PART NUMBER  
SSB-LX620SRDREV.  
C

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
|------|-------------------------------------|---------|
| A    | E.C.N. #10BRDR. & REDRAWN.          | 7.10.98 |
| B    | E.C.N. #10BRDR. & REDRAWN.          | 6.20.01 |
| C    | E.C.N. #11148.                      | 1.21.05 |

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    |              | 1.7 | 2.2 | V <sub>f</sub> |                      |
| REVERSE VOLTAGE    | 5.0          |     |     | V <sub>r</sub> | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |              | 70  |     | mcd            | $I_f=20\text{mA}$    |
| 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        | 100        | mW         |
| DERATE FROM 25°C         | -1.6       | mW/°C      |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C         |
| SOLDERING TEMP.          | +260       | °C         |
| 2.0mm FROM BODY          |            | 3 SEC. MAX |

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

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\*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 DECIMAL PRECISION MAX=+0.00 DECIMAL PRECISION

REV.  
CPART NUMBER  
SSB-LX620SRD6mm x 20mm, 3 CHIP LIGHT BAR,  
RED CHIPS, RED DIFFUSED, LEAD FREE.

**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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|                 |             |              |                                             |
|-----------------|-------------|--------------|---------------------------------------------|
| DRAWN BY:<br>GT | CHECKED BY: | APPROVED BY: | DATE: 10.4.95<br>PAGE: 1 OF 1<br>SCALE: N/A |
|-----------------|-------------|--------------|---------------------------------------------|