

DATE

REVISIONS

REV

DRAWING NUMBER  
SSB-LXH100SRW

REV

## UNCONTROLLED DOCUMENT

ELECTRO-OPTICAL CHARACTERISTICS TA=25 °C I<sub>f</sub>=20mA

| PARAMETER          | MIN | TYP            | MAX | UNITS          | TEST COND             |
|--------------------|-----|----------------|-----|----------------|-----------------------|
| PEAK WAVELENGTH    |     | 660 (RED)      |     | nm             |                       |
| FORWARD VOLTAGE    |     | 1.7            | 2.2 | V <sub>f</sub> |                       |
| REVERSE VOLTAGE    | 5.0 |                |     | V <sub>r</sub> | I <sub>r</sub> =100uA |
| AXIAL INTENSITY    |     | 150            |     | mcd            | I <sub>f</sub> =20mA  |
| VIEWING ANGLE      |     | 160            |     | 2x theta       |                       |
| EMITTED COLOR:     |     | RED            |     |                |                       |
| EPOXY LENS FINISH: |     | WHITE DIFFUSED |     |                |                       |

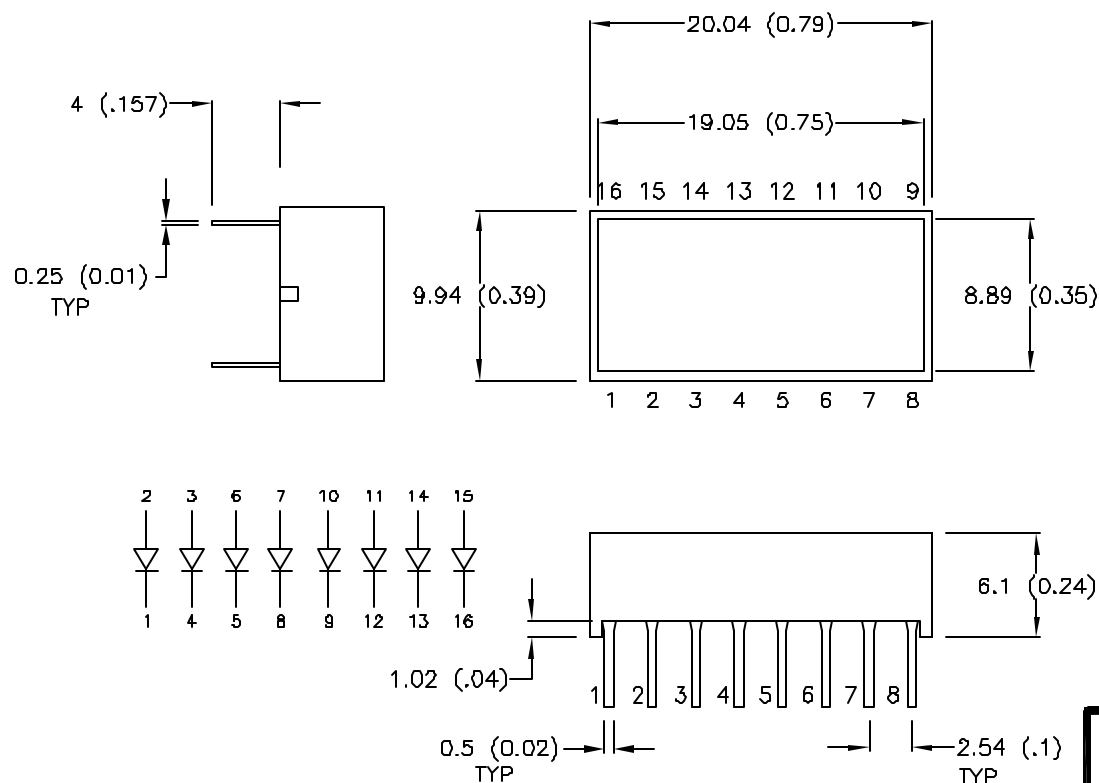
## LIMITS OF SAFE OPERATION AT 25 DEG. C

| PARAMETER                | MAX        | UNITS      |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT*    | 150        | mA         |
| STEADY CURRENT           | 30         | mA         |
| POWER DISSIPATION        | 100        | mW         |
| DERATE FROM 38 °C        | -0.5       | mA/ °C     |
| OPERATING, STORAGE TEMP. | -20 TO +85 | °C         |
| LEAD SOLDERING TEMP.     | +230       | °C         |
| 1.6mm FROM BODY          |            | 5 SEC. MAX |

\* t&lt;10uS

## 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.



UNIT: mm (INCHES)  
TOLERANCE:  $\pm 0.25$  ( $\pm 0.01$ ) UNLESS OTHERWISE SPECIFIED

UNCONTROLLED DOCUMENT

BXH100AB



292 E. HELLEN ROAD  
PALATINE, ILLINOIS 60067  
(708) 359-2790

DATE: 4-20-93

DWN:

CHK'D:

APPD:

SCALE: DO NOT SCALE DWG

19.05mm X 8.89mm LIGHT BAR, WHITE DIFFUSED

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