

DRAWING NUMBER SSB-LXF100SRW	REV A
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ELECTRO-OPTICAL CHARACTERISTICS  $T_A = 25^\circ\text{C}$   $I_f = 20\text{mA}$ 

0.25 [0.010] TYP.

7.62 [0.300]

4.00 [0.158]

9.94 [0.392]

3.81 [0.150]

20.04 [0.790]

19.05 [0.751]

16 15 14 13 12 11 10 9

1 2 3 4 5 6 7 8

8.89 [0.350]

PARAMETERS:  
PEAK  
FORWARD  
REVERSE  
AXIAL  
VIEWING  
EMITTER  
EPOXY

LIMITS OF SAFE OPERATION PER CHIP AT 25°C

The mechanical drawing shows a rectangular PCB with several dimensions and component locations:

- Dimensions:**
  - Overall width: 6.1 [0.24]
  - Distance from left edge to first component location: 1.02 [0.04]
  - Distance between component locations: 0.5 [0.02] TYP
  - Distance from last component location to right edge: 2.54 [.100] TYP
- Component Locations:**
  - Top row: 2, 3, 6, 7, 10, 11, 14, 15
  - Bottom row: 1, 4, 5, 8, 9, 12, 13, 16

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-0.5	mW/°C
OPERATING, STORAGE TEMP	-40 TO +85	°C
LEAD SOLDERING TEMP	+230	°C
2.0mm FROM BODY		3 SEC. MAX


\*  $t < 10 \mu s$

UNIT: mm [INCHES]  
TOLERANCE:  $\pm 0.25$  [ $\pm 0.01$ ] UNLESS OTHERWISE SPECIFIED

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.

UNCONTROLLED DOCUMENT



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