

DATE	REVISIONS	REV
5-31-95	CORRECTED LEAD LENGTH, UPDATED SPECS./	A
12-18-96	E.C.N. #10285./	B
1-21-97	E.C.N. #10295./	C
2-3-97	E.C.N. #10304./	D

DRAWING NUMBER  
SSF-LXH103LID

REV  
D

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE		2.0	2.5	$V_f$	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			$V_r$	$I_f=20\text{mA}$
AXIAL INTENSITY		40		mcd	$I_f=2\text{mA}$
	1.5			mcd	
VIEWING ANGLE		60		$2x$ theta	
EMITTED COLOR	RED				
EPOXY LENS FINISH	RED	DIFFUSED			

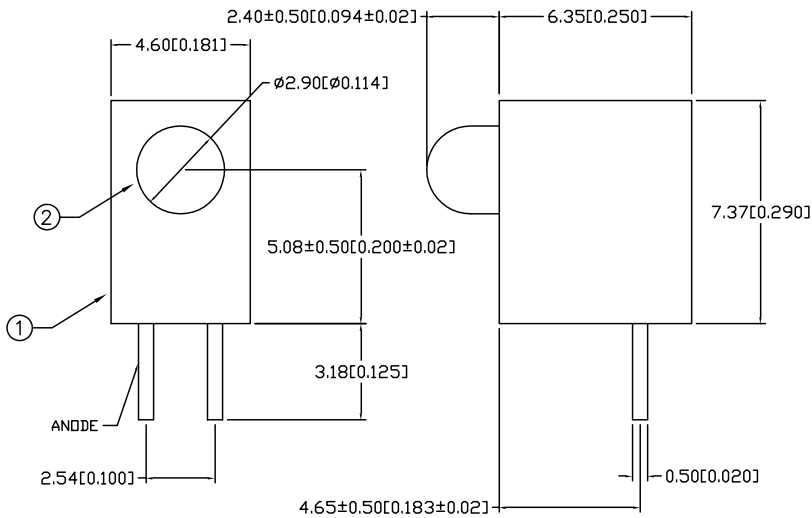
LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^{\circ}\text{C}$	-1.6	$\text{mW}/^{\circ}\text{C}$
OPERATING, STORAGE TEMP	-40 TO +85	$^{\circ}\text{C}$
LEAD SOLDERING TEMP	+260	$^{\circ}\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

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.



NOTES

- SSH-LXH103 HOLDER.
- SSL-LX3044LID LED.

**LUMEX**  
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DATE: 8-1-93	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-3 (T-1) RIGHT ANGLE FAULT INDICATOR,  
LOW CURRENT, RED DIFFUSED

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MS/OK