



**THE DATASHEET OF
SSF-LXH103LID**



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	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY	1.5	40		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		60		$2 \times \text{theta}$	$I_f = 2\text{mA}$
EMITTED COLOR	RED				
EPOXY LENS FINISH	RED DIFFUSED				

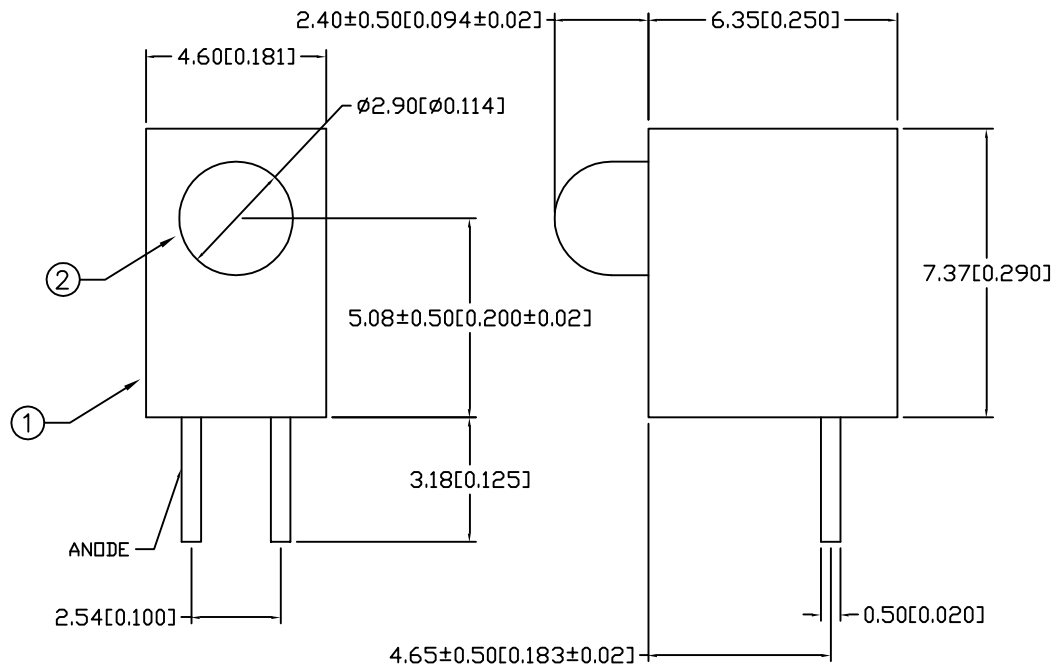
LIMITS OF SAFE OPERATION AT 25°C

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

290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
(847) 359-2790

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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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