

DATE	REVISIONS	REV
10-2-93	CHG'D LEAD LENGTH./	A
7-28-95	UPDATED SPECS./	B
1-30-97	E.C.N. #10301./	C

DRAWING NUMBER
SSF-LXH100ID(-01)

REV
C

REPLACES LUMEX P/N SSF-LXH100ID (-1)

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		2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f = 100\mu\text{A}$
AXIAL INTENSITY		40		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR	RED				
EPOXY LENS FINISH	RED DIFFUSED				

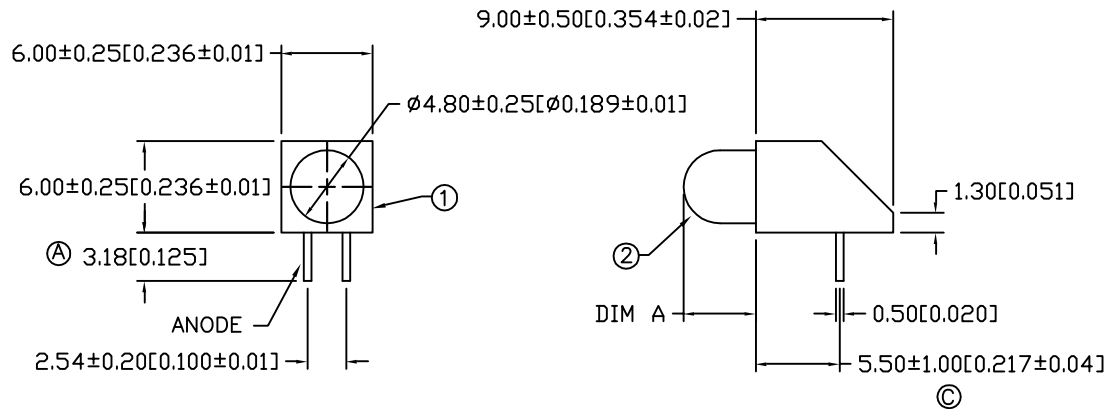
Ⓑ LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	$\text{mW}/^\circ\text{C}$
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.



DIM. A

NO P/N SUFFIX: 3.2 ± 0.5 ($.126 \pm .02$)
WITH -1 SUFFIX: 4.7 ± 0.5 ($.187 \pm .02$)

NOTES:

- SSH-LXH100 HOLDER, BLACK.
- NO P/N SUFFIX, SSL-LX507F3ID
WITH -01 SUFFIX, SSL-LX509F3ID

UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm .25\text{mm}$ ($\pm 0.010''$)

MS/JD

LUMEX
OPTO COMPONENTS INC.

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

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX OPTO/COMPONENTS, INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX OPTO/COMPONENTS, INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE: 7-16-93	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-5 (T-1 3/4) LED, RIGHT ANGLE FAULT INDICATOR,
RED DIFFUSED

PAGE 1 OF 1	DRAWING NUMBER SSF-LXH100ID(-01)	REV C
-------------	-------------------------------------	----------