



**THE DATASHEET OF
SSF-LXH103GD-5V**



DATE	REVISIONS	REV
10-1-93	REDRAWN./	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-LXH103GD-5V	REV D
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ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		nm	
FORWARD VOLTAGE		5.0	7.0	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		80		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		8		2x theta	
EMITTED COLOR		GREEN			
EPOXY LENS FINISH		GREEN DIFFUSED			

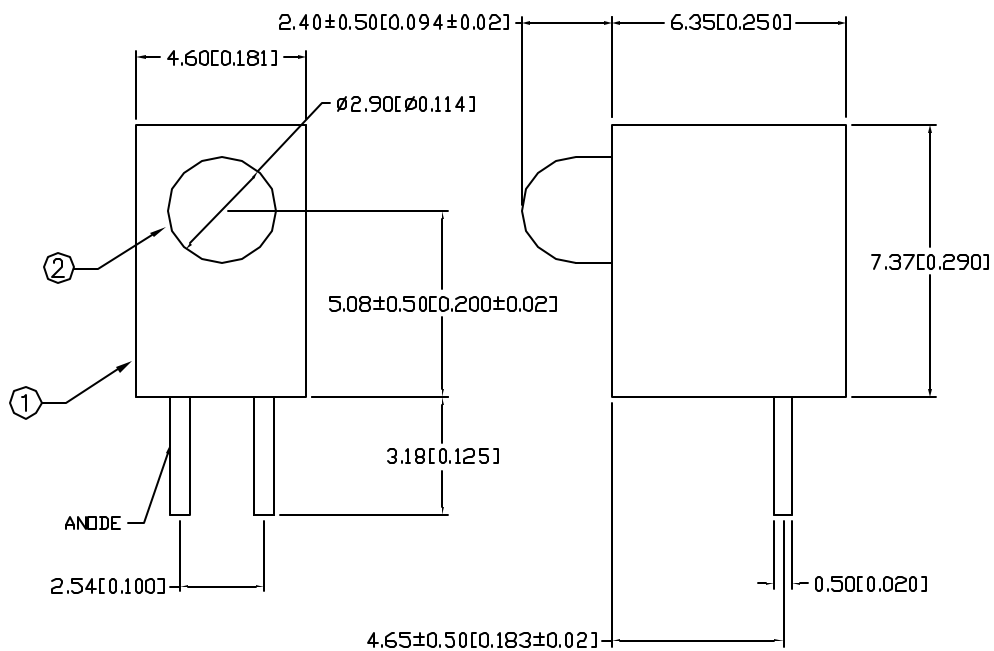
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	12	mA
POWER DISSIPATION	310	mW
DERATE FROM 25°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-LX3044GD-5V LED.

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DATE: 8-31-93	DWN:	CHK'D:	APPD:
SCALE: N/A			
T-3 (T-1) RIGHT ANGLE FAULT INDICATOR, GREEN DIFFUSED, 5V OPERATION			
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