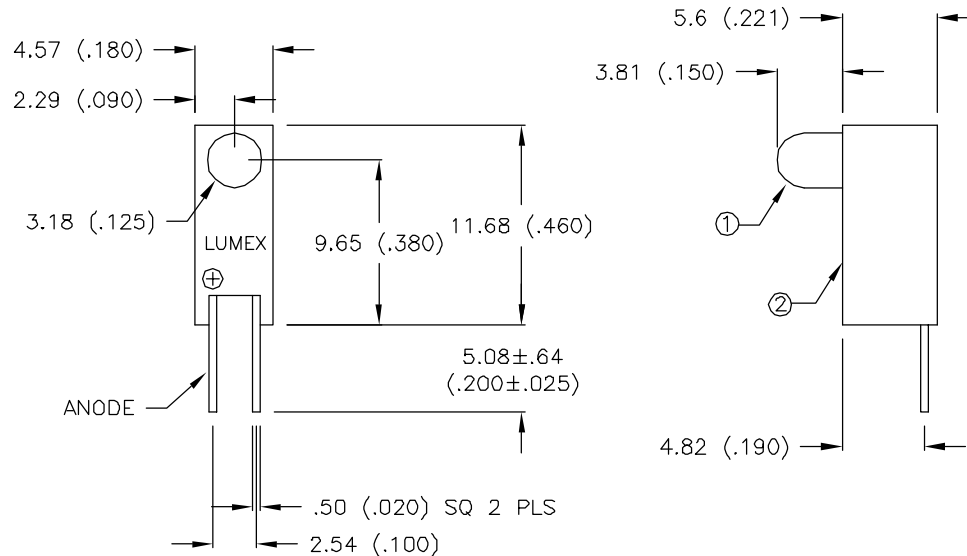


DATE	REVISIONS	REV
4-1-97	E.C.N. #10327./	A

DRAWING NUMBER	REV
SSF-LXH1032ID	A

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		10		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		80		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	-1.6	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:

1. SSL-LX306F4ID LED.
2. SSH-LXH1032 HOLDER.

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

MS

		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: 2-7-94	DWN:	CHK'D:	APPD:
SCALE: N/A			
T-1 (3mm) HIGH PROFILE, RED DIFFUSED, RIGHT ANGLE INDICATOR			
PAGE 1 OF 1	DRAWING NUMBER SSF-LXH1032ID		REV A