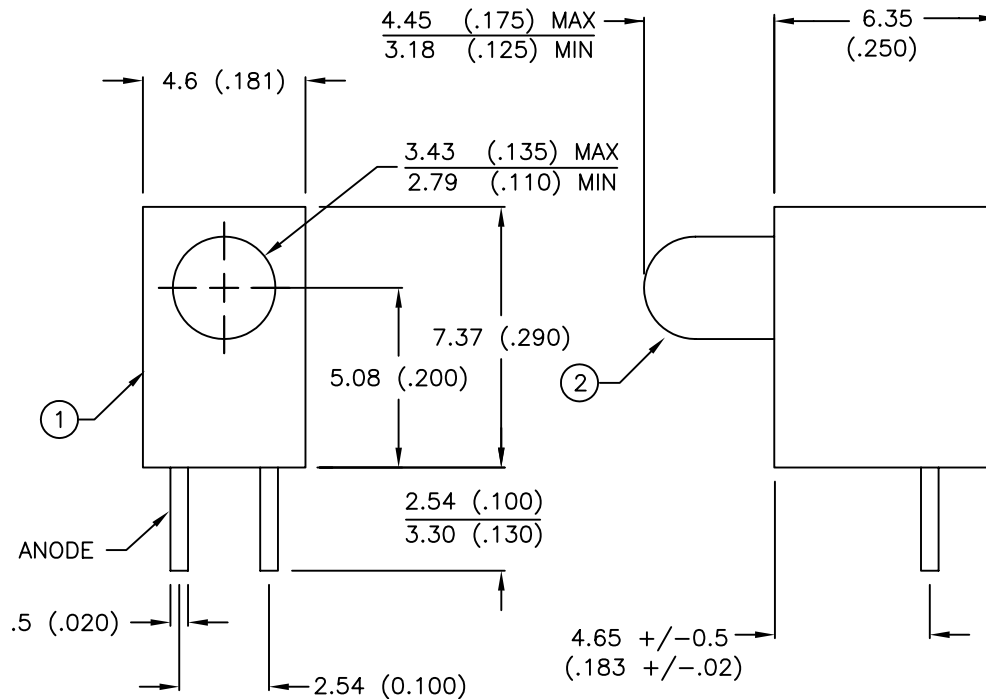


DATE	REVISIONS	REV
1-21-97	E.C.N. #10295./	A
1-21-97	E.C.N. #10304./	B

DRAWING NUMBER	REV
SSF-LXH103LGD-04	B

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BILL OF MATERIALS

- SSH-LXH103
- SSL-LX306F4LGD

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.

UNCONTROLLED DOCUMENT

UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010''$)

MS/CK

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		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		10		mcd	$I_f = 20\text{mA}$
		1		mcd	$I_f = 2\text{mA}$
VIEWING ANGLE		80		$2 \times \theta$	
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	25	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	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

LUMEX
OPTO COMPONENTS INC.

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DATE: 5-24-93	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-3 (T-1) LED FAULT INDICATOR,
GREEN DIFFUSED

PAGE 1 OF 1	DRAWING NUMBER	REV
	SSF-LXH103LGD-04	B