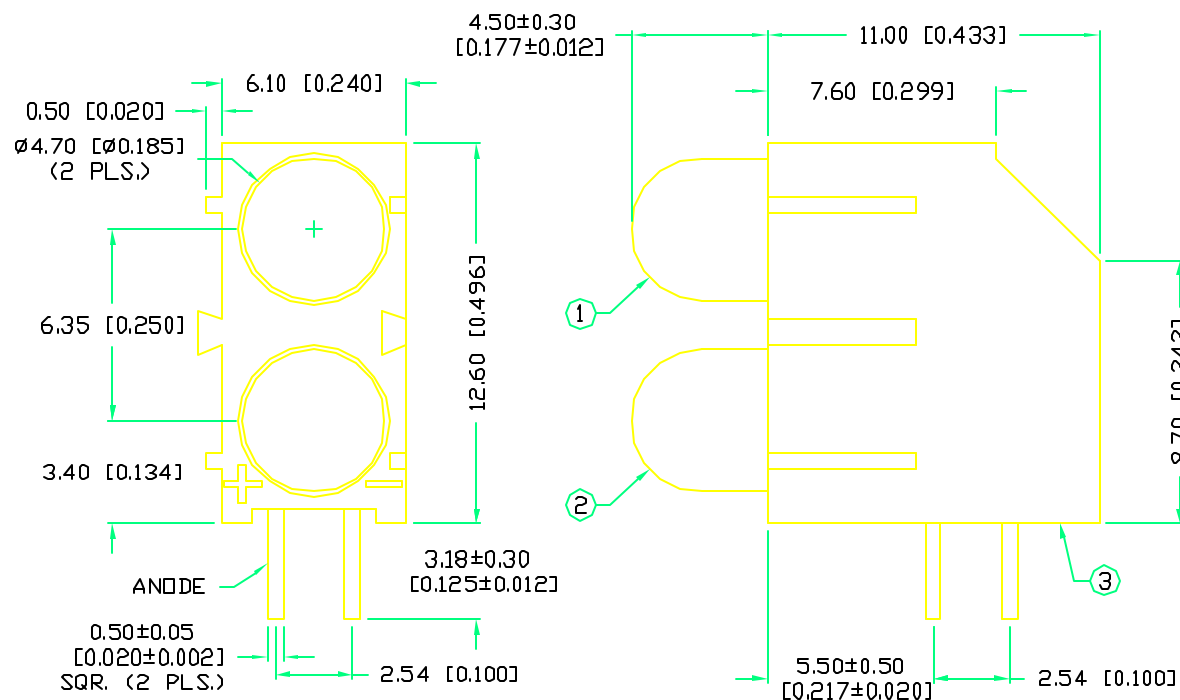


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSF-LXHM250IYD		C
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10113.	11-11-96
B	E.C.N. #10305.	2-5-97
C	E.C.N. #10500 & #10BRDR. & REDRAWN.	4-7-99



NOTES:

1. SSL-LX509F3ID, RED LED.
2. SSL-LX509F3YD, YELLOW LED.
3. SSH-LXHM250, BLACK HOLDER.

ELECTRO-OPTICAL CHARACTERISTICS T <sub>A</sub> =25°C			I <sub>f</sub> =20mA		
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
		585 (YELLOW)		nm	
FORWARD VOLTAGE (R/Y)		2.0/2.1	2.5/2.5	V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	I <sub>r</sub> =100μA
AXIAL INTENSITY (R/Y)		40/30		mcd	I <sub>f</sub> =20mA
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	POSITION 1-RED				
	POSITION 2-YELLOW				
EPOXY LENS FINISH:	POSITION 1-RED DIFFUSED				
	POSITION 2-YELLOW DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C			
PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT		30	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING, STORAGE TEMP.		- 40 TO + 85	°C
SOLDERING TEMP.		+ 260	°C
2.0mm FROM BODY			3 SEC. MAX

\*  $t < 10 \mu s$ 

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

REV. C	PART NUMBER SSF-LXHM250IYD	<div>CONFIDENTIAL INFORMATION</div> <div>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX 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.</div> <div>RELIABILITY NOTE</div> <div>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.</div>	<div><div>LUMEX INCORPORATED</div><div>290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: 1-847-359-2790 WEB: HTTP://WWW.LUMEX.COM</div></div>		
T-5mm (T-1 3/4) LED, RIGHT ANGLE FAULT INDICATOR, POS.1: 635nm RED LED, RED DIFFUSED LENS, POS.2: 585nm YELLOW LED, YELLOW DIFFUSED LENS.		DRAWN BY: BC	CHECKED BY:	APPROVED BY:	DATE: 11-29-96 PAGE: 1 OF 1 SCALE: N/A

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