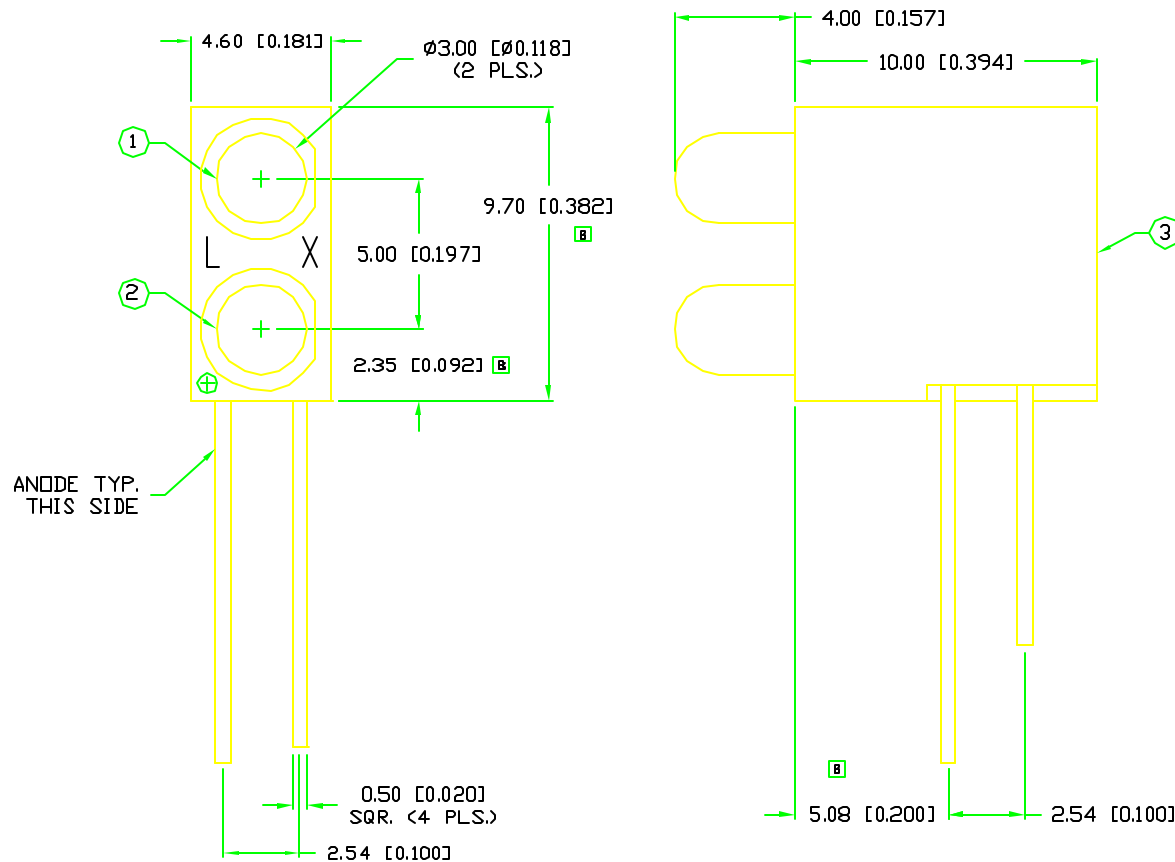


PART NUMBER  
SSF-LXH2103IGD/4UC

REV.

B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CHG'D TO SSH-LXH2103 HOLDER./	5-16-94
B	E.C.N. #10449 & #10BRDR & REDRAWN./	8-11-98



NOTES:

1. SSL-LX3054ID, RED LED.
2. SSL-LX3054GD, GREEN LED.
3. SSH-LXH2103 HOLDER.

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	
		565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		2.0/2.2	2.5/2.6	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY (R/G)		40/30		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	POSITION 1-RED POSITION 2-GREEN				
EPOXY LENS FINISH:	POSITION 1-RED DIFFUSED POSITION 2-GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/G)	30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM $25^\circ\text{C}$		-1.6	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

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

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

REV.

B

PART NUMBER

SSF-LXH2103IGD/4UC

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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.

**LUMEX**  
INCORPORATED

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PALATINE, ILLINOIS 60067 B  
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T-3mm (T-1) LED, PIGGY-BACK HOLDER, UN CUT LEADS,  
POS.1: RED LED, RED DIFFUSED LENS.  
POS.2: GREEN LED, GREEN DIFFUSED LENS.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 1-5-94
MS/BC			PAGE: 1 OF 1
			SCALE: N/A

# Mouser Electronics

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