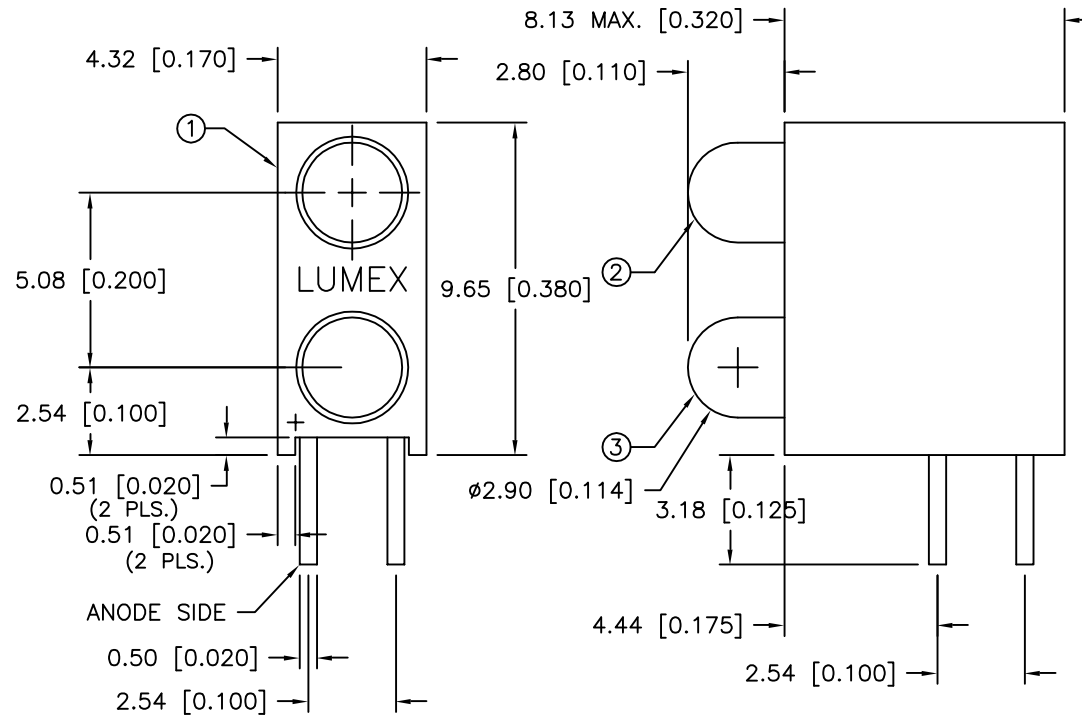


DATE	REVISIONS	REV
10-5-95	E.C.N. #10100./	A
1-31-96	E.C.N. #10104./	B

DRAWING NUMBER
SSF-LXH240IYD

REV
B



NOTES

1. SSH-LXH240 HOLDER, MATERIAL: 94V-0.
2. SSL-LX3044ID LED (1 PC.)
3. SSL-LX3044YD LED (1 PC.)

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.

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) 585 (YELLOW)		nm	
FORWARD VOLTAGE (R/Y)		2.1	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY (R/Y)		15		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		80		$2 \times \theta$	
EMITTED COLOR	POS 1 RED—	POS 2 YELLOW			
EPOXY LENS FINISH	POS 1 RED DIFFUSED,	POS 2 YELLOW DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*(R/Y)	150	mA
STEADY CURRENT (R/Y)	30	mA
POWER DISSIPATION (R/Y)	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

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

LUMEX
OPTO COMPONENTS INC.

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DATE: 2-21-95	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-3mm LED, RIGHT ANGLE FAULT INDICATOR,
RED/YELLOW DIFFUSED

PAGE 1 OF 1

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