

DATE	REVISIONS	REV
8-9-93	CHG'D LEAD LENGTHS/	A
8-27-93	CHG'D LEAD LENGTHS/	B
8-19-94	CHG'D HOLDER BOTTOM & SAFE OP. SPECS./	C
11-30-94	UPDATED SPECS./	D
2-6-95	CHG'D. HOLDER BOTTOM./	E
10-5-95	REF ECN 10100./	F
2-6-96	REF ECN 10104./	G

DRAWING NUMBER SSF-LXH240LIGD	REV G
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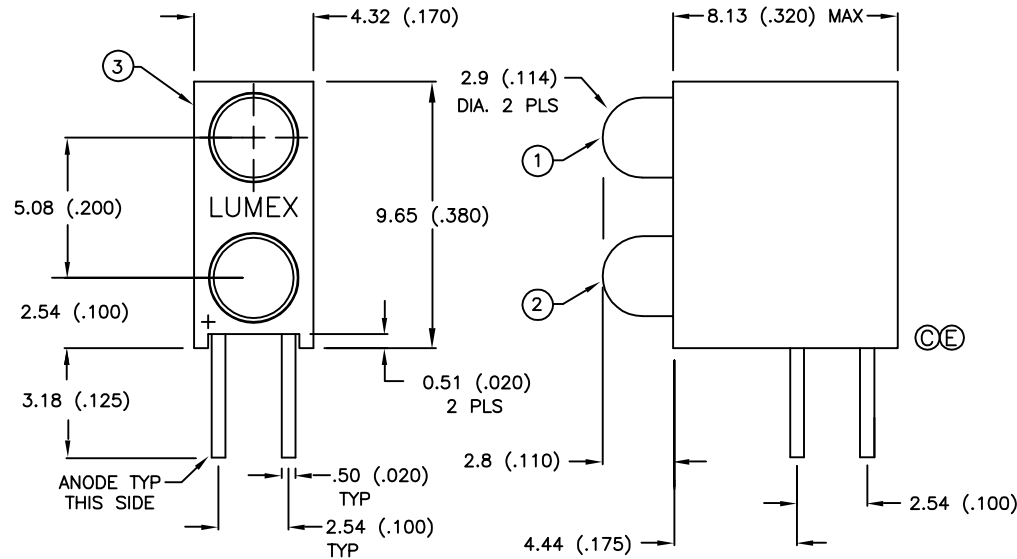
ELECTRO-OPTICAL CHARACTERISTICS TA=25 °C If=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		2.0	2.8	V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	I <sub>r</sub> =100uA
AXIAL INTENSITY (R/G)		15		mcd	I <sub>f</sub> =20mA
		1.0		mcd	I <sub>f</sub> =2mA
VIEWING ANGLE		80		2x theta	
EMITTED COLOR:	POS. 1 - RED		POS. 2 - GREEN		
EPOXY LENS FINISH:	POS. 1 - RED DIFFUSED				
	POS. 2 - GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25 DEG. C

PARAMETER	MAX	UNITS
Ⓓ PEAK FORWARD CURRENT (R/G)*	150/150	mA
Ⓓ STEADY CURRENT (R/G)	30/25	mA
Ⓓ POWER DISSIPATION (R/G)	105/105	mW
DERATE FROM 25 °C	-1.6	mW/°C
Ⓒ OPERATING, STORAGE TEMP.	-40 TO +85	°C
Ⓒ LEAD SOLDERING TEMP.	+260	°C
Ⓒ 2.0mm FROM BODY		3 SEC. MAX

\* t<10μs



BILL OF MATERIALS:

1. SSL-LX3044LID LED.
2. SSL-LX3044LGD LED.
3. SSH-LXH240 HOLDER. MATERIAL: BLACK NYLON 94V-0.

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.

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DATE: 3-25-93	DWN:	CHK'D:	APPD:
SCALE: N/A			
T-3mm LED, RIGHT ANGLE FAULT INDICATOR, GREEN DIFFUSED, SPECIAL LOW CURRENT SELECTION			
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