



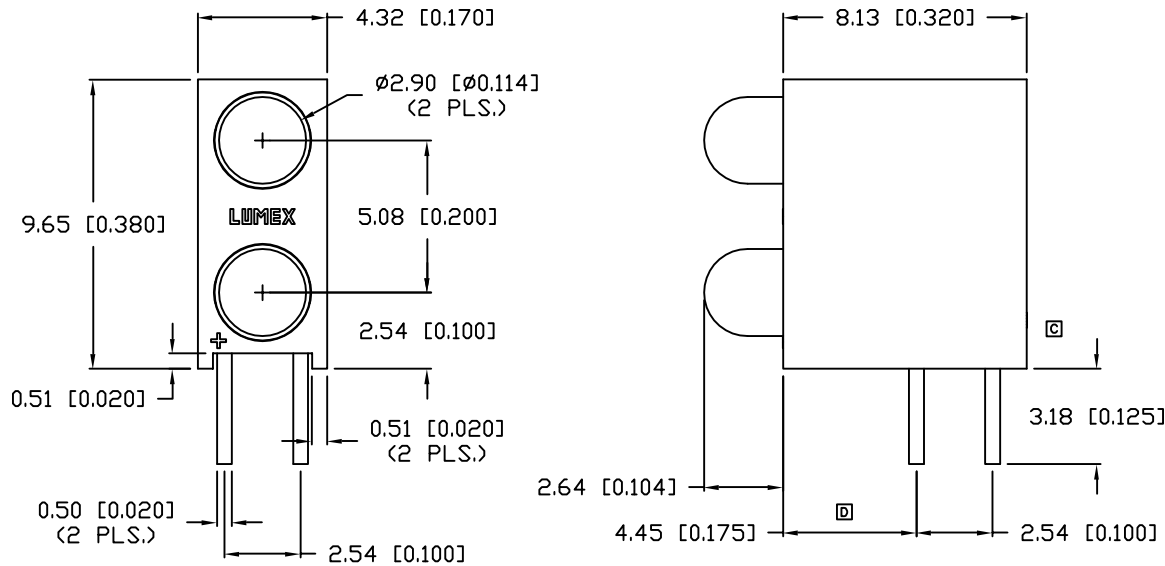
**THE DATASHEET OF  
SSF-LXH240YYD**



UNCONTROLLED DOCUMENT

PART NUMBER  
SSF-LXH240YYD

REV.  
G



REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CHG'D LEAD LENGTHS.	8.27.93
B	CHG'D HOLDER BOTTOM & SAFE OP. SPECS.	8.16.94
C	UPDATED SPECS.	11.16.94
D	CHG'D HOLDER BOTTOM.	2.3.95
E	E.C.N. #10100.	10.5.95
F	E.C.N. #10104.	2.12.96
G	E.C.N. #10BRDR. & REDRAWN.	3.5.01

ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585		nm	
		585		nm	
FORWARD VOLTAGE		2.1	2.8	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY		15		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		80		2x theta	
EMITTED COLOR:	YELLOW/YELLOW				
EPOXY LENS FINISH:	YELLOW DIFFUSED				

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

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

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

NOTES:

- SSH-LXH240 HOLDER, MATERIAL: BLACK NYLON 94V-0.
- SSL-LX3044YD LED ( 2 PCS.).

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\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

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T-3mm RIGHT ANGLE FAULT INDICATOR LED,  
DUAL 585nm YELLOW LEDS, YELLOW DIFFUSED.

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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.

		290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw	
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