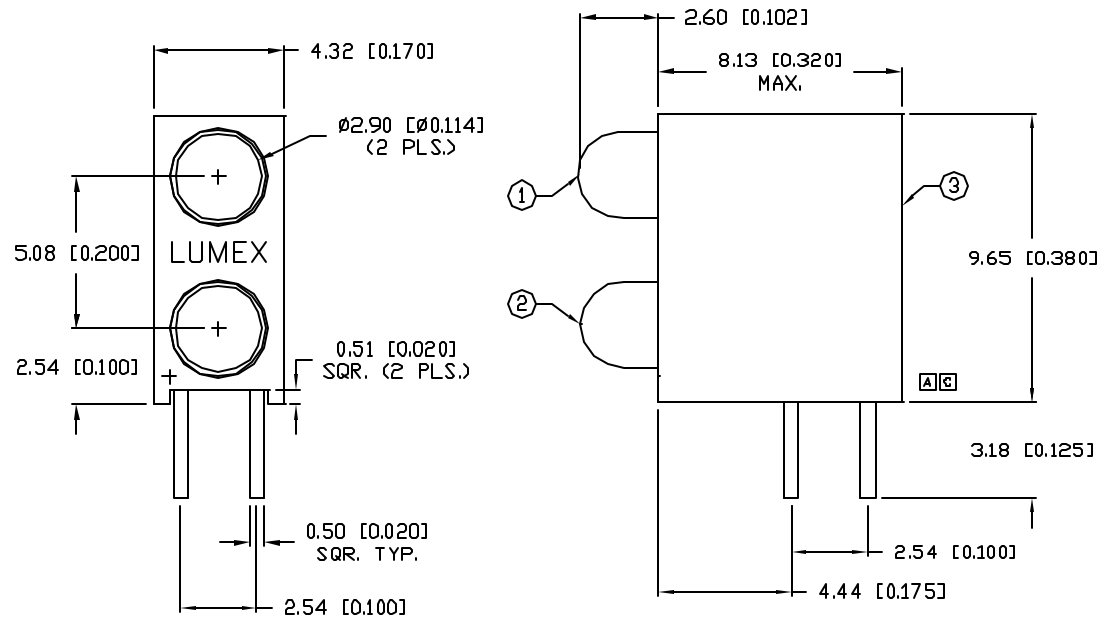


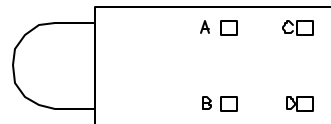
UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSF-LXH240YGD		F
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. CHG'D. STAND-OFF HOLDER BOTTOM.	08.16.94
B	E.C.N. UPDATE SPECS.	11.29.94
C	E.C.N. CHG'D. HOLDER BOTTOM.	02.06.95
D	E.C.N. #10100.	10.05.95
E	E.C.N. #10104.	02.06.96
F	E.C.N. #10BRDR. & #11148.	06.19.08



NOTES:

1. SSL-LX3044YD, YELLOW LED.
2. SSL-LX3044GD, GREEN LED.
3. SSH-LXH240 HOLDER. MATERIAL: BLACK NYLON 94V-0.



- A. GREEN CATHODE
- B. GREEN ANODE
- C. YELLOW CATHODE
- D. YELLOW ANODE

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

PARAMETER	YELLOW	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	585	565	nm	
FORWARD VOLTAGE (TYP.)	2.1	2.2	V <sub>f</sub>	
FORWARD VOLTAGE (MAX.)	2.5	2.6	V <sub>f</sub>	
REVERSE VOLTAGE	5.0	5.0	V <sub>r</sub>	$I_f=100\mu\text{A}$
AXIAL INTENSITY	30	30	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	2x theta	
LED POSITION:	1	2		
EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR				

LIMITS OF SAFE OPERATION AT 25°C PER LED

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

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

UNCONTROLLED DOCUMENT

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

REV. F	PART NUMBER SSF-LXH240YGD	<p>CONFIDENTIAL INFORMATION</p> <p>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.</p> <p>RELIABILITY NOTE</p> <p>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.</p>	<p>290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw</p>
T-3mm LED, DUAL LEVEL RIGHT ANGLE PCB IND. TOP POS: YELLOW, BOTTOM POS: GREEN.		<p>DRAWN BY: BG</p>	<p>CHECKED BY:</p> <p>APPROVED BY: DATE: 02.02.93 PAGE: 1 OF 1 SCALE: N/A</p>