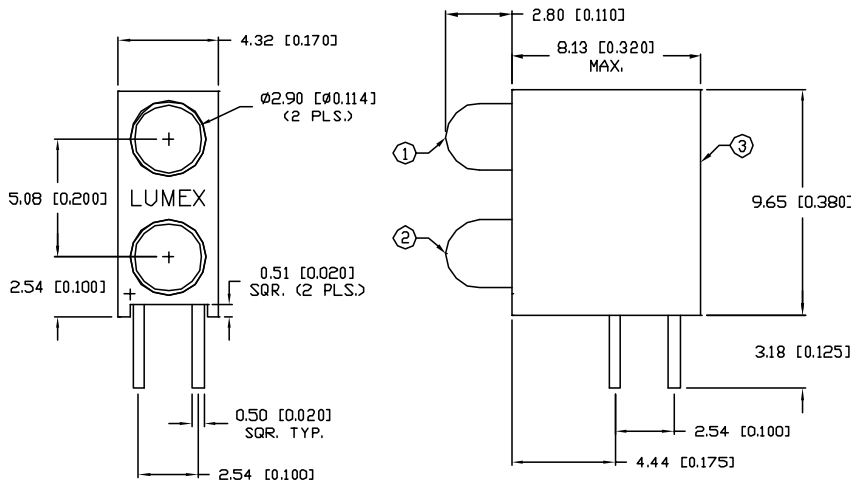


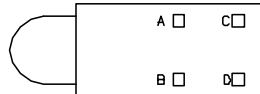
UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSF-LXH240YDIGW		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN.	2-2-99



NOTES:

1. SSL-LX3044YD, YELLOW LED.
2. SSL-LX3044IGW, RED/GREEN BICOLOR LED.
3. SSH-LXH240 HOLDER. MATERIAL: BLACK NYLON 94V-0.



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

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$						
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND	
PEAK WAVELENGTH	585 (YELLOW)			nm		
	635 (RED)			nm		
	565 (GREEN)			nm		
FORWARD VOLTAGE (Y)	2.1		2.5	V_f		
	(R)		2.1	2.5	V_f	
	(G)		2.2	2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$	
AXIAL INTENSITY (Y/R/G)	30/25/20			mcd	$I_f=20\text{mA}$	
VIEWING ANGLE	60			2x theta		
EMITTED COLOR:	POS. 1: YELLOW, POS. 2: RED/GREEN BICOLOR					
EPOXY LENS FINISH:	POS. 1: YELLOW DIFFUSED, POS. 2: MILKY WHITE DIFFUSED					

LIMITS OF SAFE OPERATION AT 25°C			
PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(Y/R/G)	30/30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	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 TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010"$)

REV. A	PART NUMBER SSF-LXH240YDIGW	<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>LUMEX INCORPORATED</p> <p>290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: 1-847-359-2790 WEB: HTTP://WWW.LUMEX.COM</p>
T-3mm (T-1) LED, PIGGY-BACK HOLDER, POS.1: 585nm YELLOW DIFFUSED LED, POS.2: RED/GREEN BICOLOR LED, MILKY WHITE DIFFUSED.		<p>DRAWN BY: ck/bc</p> <p>CHECKED BY:</p> <p>APPROVED BY:</p>	<p>DATE: 7-24-97</p> <p>PAGE: 1 OF 1</p> <p>SCALE: N/A</p>