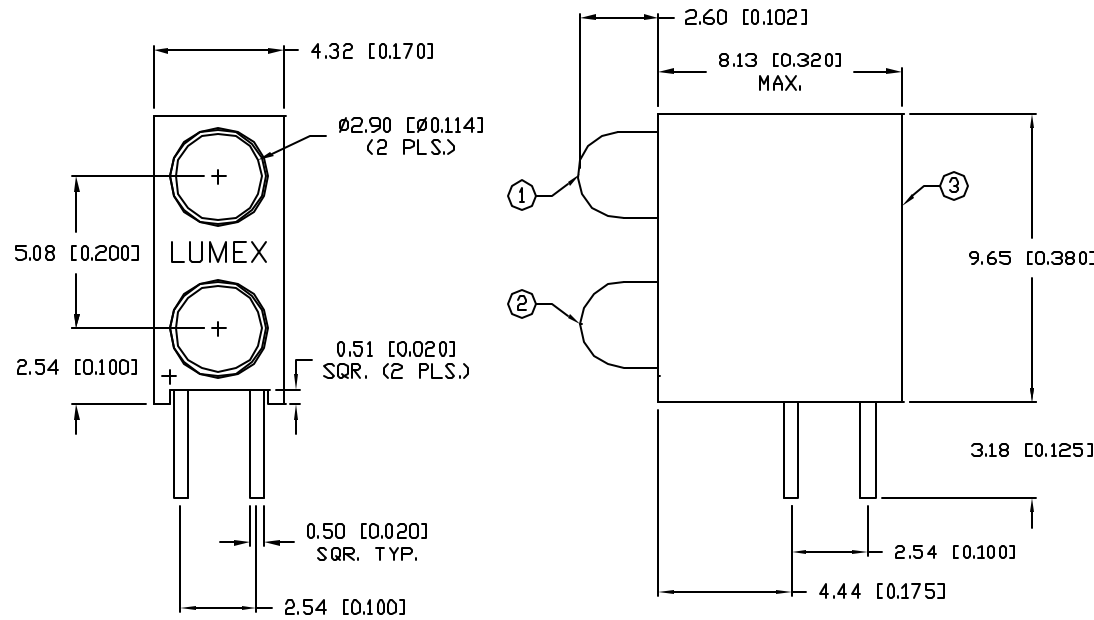
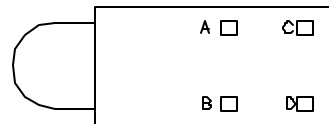


REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11328.	5.12.06



NOTES:

1. SSL-LX3044YGW, YELLOW/GREEN LED.
2. SSL-LX3044SBD/A, BLUE LED.
3. SSH-LXH240 HOLDER. MATERIAL: BLACK NYLON 94V-0.



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

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

PARAMETER	YELLOW	GREEN	BLUE	UNITS	TEST COND
PEAK WAVELENGTH	585	565	430	nm	
FORWARD VOLTAGE (TYP.)	2.1	2.2	3.8	V_f	
FORWARD VOLTAGE (MAX.)	2.5	2.5	4.2	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	30	20	30	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	60	2x theta	
LED POSITION:	1	1	2		
EPOXY LENS FINISH: POS.1: MILKY WHITE DIFFUSED, POS.2: BLUE DIFFUSED					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150/150/100	mA
STEADY CURRENT	(Y/G/B)	30/25/30	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

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



*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.	PART NUMBER
A	SSF-LXH240YGWSBD

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POS. 1: YELLOW/GREEN BICOLOR LED, MILKY WHITE DIFFUSED,
POS. 2: 430nm SUPER BLUE DIFFUSED LED.

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.

DRAWN BY: GB	CHECKED BY:	APPROVED BY:	DATE: 4.10.02 PAGE: 1 OF 1 SCALE: N/A
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