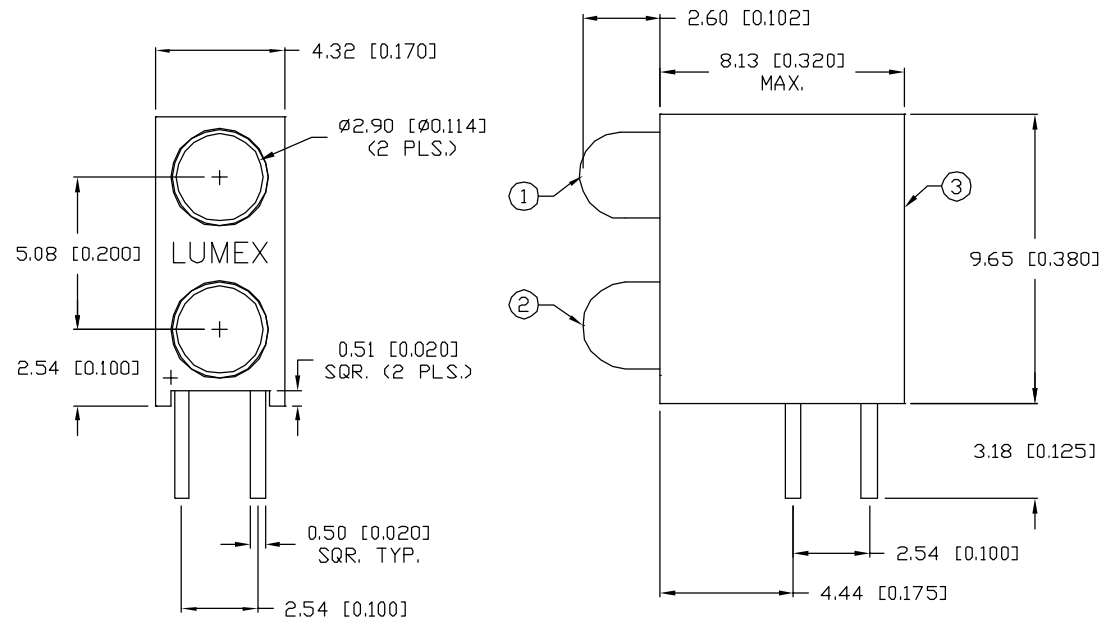




NOTES:

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

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$					TEST COND
PARAMETER	BLUE	YELLOW	GREEN	UNITS	
PEAK WAVELENGTH	430	585	565	nm	
FORWARD VOLTAGE (TYP.)	3.8	2.1	2.2	V_f	
FORWARD VOLTAGE (MAX.)	4.2	2.5	2.5	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	30	30	20	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	60	2x theta	
LED POSITION:	1	2	2		
EPOXY LENS FINISH: POS.1: BLUE DIFFUSED, POS.2: MILKY WHITE DIFFUSED					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(B/Y/G)	100/150/150	mA
STEADY CURRENT	(B/Y/G)	30/30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	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

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

*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

REV.

PART NUMBER

SSF-LXH240SBDYGW

POS. 1: 430nm SUPER BLUE DIFFUSED LED,

POS. 2: YELLOW/GREEN BICOLOR LED, MILKY WHITE DIFFUSED.

CONFIDENTIAL INFORMATION

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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.



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PAGE: 1 OF 1

SCALE: N/A

Rb