



CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	BLUE	YELLOW	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	430	585	565	nm	
FORWARD VOLTAGE (TYP.)	4.5	2.1	2.2	V _f	
FORWARD VOLTAGE (MAX.)	5.5	2.5	2.6	V _f	
REVERSE VOLTAGE	5.0	5.0	5.0	V _r	
AXIAL INTENSITY	30	30	40	mcd	$I_f=10\mu\text{A}$
VIEWING ANGLE	60	60	60	2x theta	$I_f=20\text{mA}$
LED POSITION:	1	2	3		
EPOXY LENS FINISH:	POS. 1: BLUE DIFFUSED POS. 2: YELLOW DIFFUSED POS. 3: GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*	(B/Y/G)	98/150/150	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	

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

LEAD NOTES:

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

NOTES:

1. SSL-LX3044SBD/A, BLUE LED.
2. SSL-LX3044YD, YELLOW LED.
3. SSL-LX3044GD, GREEN LED.
4. SSH-LXH34D HOLDER, BLACK NYLON, 94V-0.

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	SSF-LXH340SBYGD	<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 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>DRAWN BY: JD</p> <p>CHECKED BY:</p> <p>APPROVED BY:</p> <p>DATE: 3.23.05</p> <p>PAGE: 1 OF 1</p> <p>SCALE: N/A</p>

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