



## 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-LXH340 HOLDER, BLACK NYLON, 94V-0.

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	$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY	30	30	40	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	60	$2 \times \theta_{\text{theta}}$	
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  $25^\circ\text{C}$  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 $25^\circ\text{C}$		-1.2	$\text{mW}/^\circ\text{C}$
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), 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

SSF-LXH340S BYGD

T-3mm (T-1) RIGHT ANGLE FAULT INDICATOR HOLDER,  
POS. 1: 430nm SUPER BLUE LED,  
POS. 2: 585nm YELLOW, POS. 3: 565nm GREEN LEDS.

## 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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SCALE: N/A

JD

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