

DATE	REVISIONS	REV	DRAWING NUMBER SSF-LXH340LYGID	REV
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The diagram shows a mechanical drawing of the SSH-LXH340 LED assembly. The top view (left) shows a rectangular component with three circular LEDs. Dimensions include: 4.32 (.170) for the LED spacing, 2.9 (.114) DIA. for the LED diameter, 5.08 (.200) for the LED pitch, 5.08 (.200) for the LED pitch, 2.54 (.100) for the LED pitch, 15.24 (.600) MAX for the total width, .51 (.020) SQ TYP for the anode pad, .50 (.020) TYP for the anode pad, and 2.54 (.100) for the anode pad. The side view (right) shows the component's profile with dimensions: 11.43 (.450) MAX for the total height, 2.54 (.100) for the LED height, 3.18 (.125) for the LED height, 4.44 (.175) for the LED height, and 2.54 (.100) for the LED height. The component is labeled 'LUMEX' and 'ANODE'.

BILL OF MATERIALS:

1. SSH-LXH340 HOLDER. MATERIAL: BLACK NYLON 94V-0.
2. SSL-LX3044LYD LED.
3. SSL-LX3044LGD LED.
4. SSL-LX3044LID 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.

ELECTRO-OPTICAL CHARACTERISTICS T _A =25°C I _f =20mA					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	POS.1	585 (YELLOW)		nm	
	POS.2	565 (GREEN)		nm	
	POS.3	635 (RED)		nm	
FORWARD VOLTAGE		2.1	2.8	V _f	
REVERSE VOLTAGE	5			V _r	I _r =100 uA
AXIAL INTENSITY	1.5	20		mcd	I _f =20mA
VIEWING ANGLE		60		mcd	I _f = 2 mA
EMITTED COLOR	POS.1-YEL, POS.2-GRN, POS.3-RED				
EPOXY LENS FINISH	ALL COLORS DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT (Y/G/R)	30/25/30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.6	mW/°C
OPERATING, STORAGE TEMP	-40 TO +85	°C
LEAD SOLDERING TEMP	+260	°C
2.0mm FROM BODY		3 SEC. MAX

* t<10uS

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DATE: 11-7-96	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-3mm LED, RIGHT ANGLE FAULT INDICATOR,
 YELLOW/GREEN/RED DIFFUSED, SPECIAL LOW CURRENT SELECTION

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