

UNCONTROLLED DOCUMENT

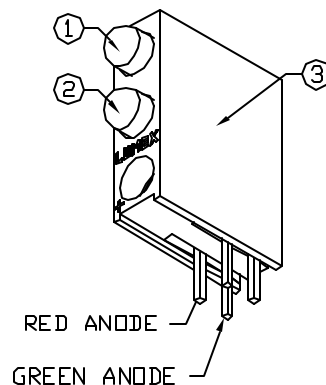
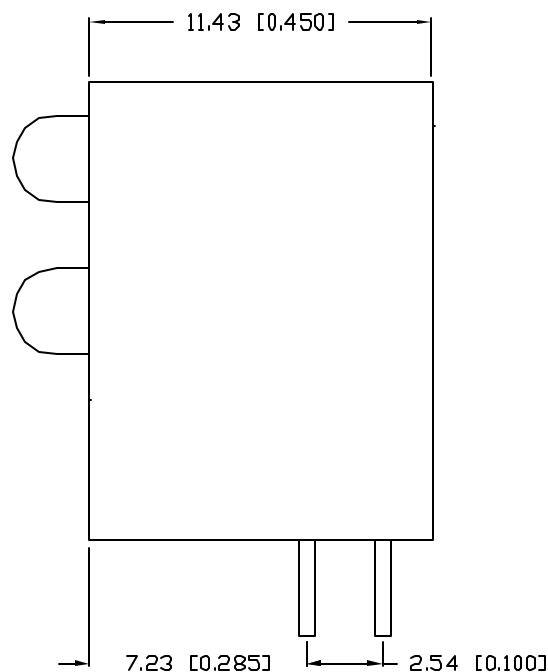
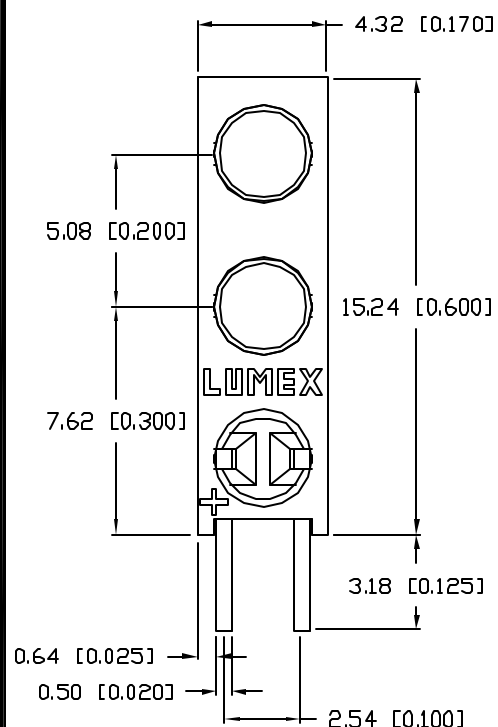
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PART NUMBER

REV.

SSF-LXH340SGTSRXC

PRELIMINARY IN P/N DIR

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

PARAMETER	RED	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	660	565	nm	
FORWARD VOLTAGE (TYP.)	1.8	2.2	V_f	
FORWARD VOLTAGE (MAX.)	2.3	2.6	V_f	
REVERSE VOLTAGE	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	600	200	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	30	30	2x theta	
LED POSITION:	2	1		
EPOXY LENS FINISH: WATER CLEAR GREEN TRANSPARENT				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/G)	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

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

NOTES:

- SSL-LX3044SGT GREEN LED.
- SSL-LX3044SRC/D, RED LED.
- SSH-LXH340 HOLDER, BLACK NYLON, 94V-0.

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*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

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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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 10.7.02

PAGE: 1 OF 1

SCALE: N/A

GB

T-3mm (T-1) RIGHT ANGLE FAULT INDICATOR HOLDER,
POS.1: 565nm GREEN LED,
POS.2: 660nm RED, WATER CLEAR LENS.