

UNCONTROLLED DOCUMENT

PART NUMBER
SSF-LXH305LID-SUBREV.
D

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10376.	9.15.97
B	E.C.N. #10BRDR. & REDRAWN.	10.15.97
C	E.C.N. #10683.	11.30.00
D	E.C.N. #10782.	11.6.01

PATENT PENDING

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		40		mcd	$I_f=20\text{mA}$
	1.0			mcd	$I_f=2\text{mA}$
VIEWING ANGLE		60		$2\times\text{theta}$	
EMITTED COLOR:		RED			
EPOXY LENS FINISH:		RED DIFFUSED			

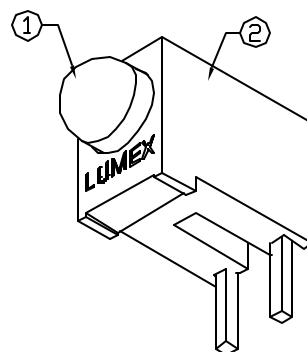
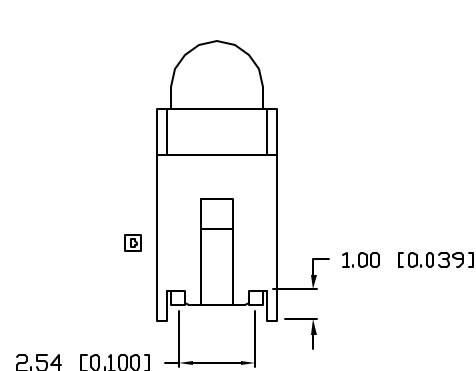
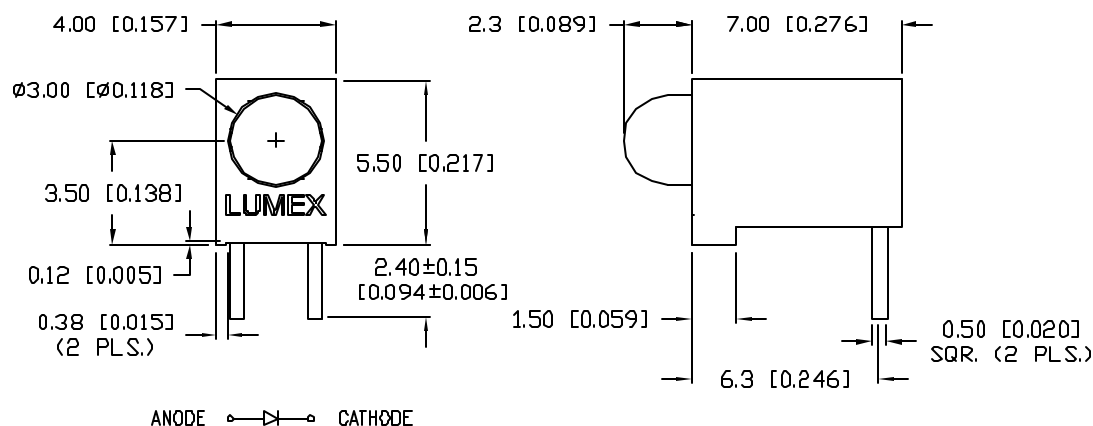
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.6	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+230	$^\circ\text{C}$
2mm FROM BODY		3 SEC. MAX

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

NOTES:

- SSL-LX305F4LID LED.
- SSH-LXH305 HOLDER, BLACK.



*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.=+0.00 PRECISION MAX.=+0.00 PRECISION

REV. D PART NUMBER SSF-LXH305LID-SUB

T-3mm (T-1) RIGHT ANGLE SURFACE MOUNT LED,
635nm RED LED, RED DIFFUSED LENS, LOW CURRENT.

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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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DRAWN BY: BC CHECKED BY: APPROVED BY: DATE: 6.30.97
PAGE: 1 OF 1
SCALE: N/A

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