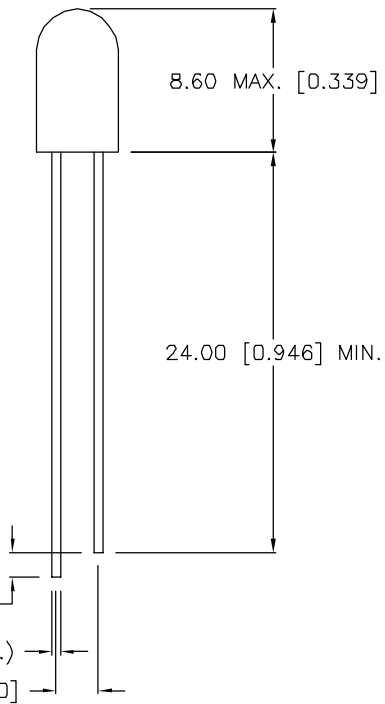
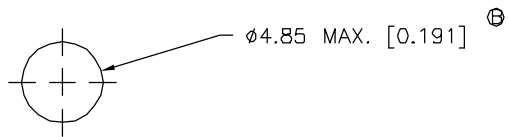


DATE	REVISIONS	REV
7-1-92	REDRAWN, CHG'D MIN AX. INT. TO 1.0 FROM 2.0 mcd/.	A
9-16-92	REDRAWN, CHG'D. DIA FROM 4.8 TO 4.85 MAX./	B
9-12-95	REDRAWN, UPDATED SAFE OPER. SPECS./	C

DRAWING NUMBER SSL-LX509F3LID	REV C
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ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE		1.9	2.7	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f = 100\mu\text{A}$
AXIAL INTENSITY	Ⓐ1.0	20		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		80		2x theta	$I_f = 2\text{mA}$
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	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP	-40 TO +85	$^\circ\text{C}$
LEAD SOLDERING TEMP	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

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.

LUMEX OPTO COMPONENTS INC.		292 E. HELLEN ROAD PALATINE, ILLINOIS 60067 (708) 359-2790	
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DATE: 5-2-92	DWN:	CHK'D:	APPD:
SCALE: N/A			
T-5 (T-1 3/4) FLANGELESS LED, RED DIFFUSED SPECIAL LOW CURRENT SELECTED			
PAGE 1 OF 1	DRAWING NUMBER SSL-LX509F3LID		REV C