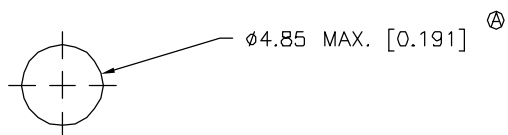


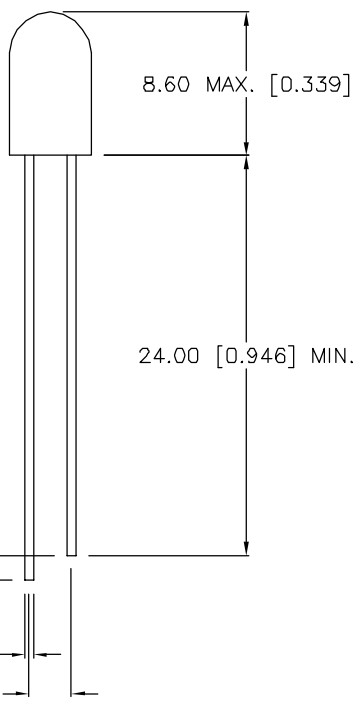
DATE	REVISIONS	REV
9-16-92	REDRAWN, CHG'D DIA. FROM 4.8 TO 4.85 MAX./	A
9-12-95	REDRAWN, UPDATED SAFE OPER. SPECS./	B

DRAWING NUMBER SSL-LX509F3SRT	REV B
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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		660 (RED)		nm	
FORWARD VOLTAGE		1.7	2.2	V_f	
REVERSE VOLTAGE	4.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		300		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		25		2x theta	
EMITTED COLOR	RED				
EPOXY LENS FINISH	RED	TRANSPARENT			



[Ⓑ] LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.3	mW/°C
OPERATING, STORAGE TEMP	-40 TO +85	°C
LEAD SOLDERING TEMP	+260	°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: 4-10-92	DWN:	CHK'D:	APPD:
SCALE: N/A			
T-5 (T-1 3/4) FLANGELESS LED, SUPER RED TRANSPARENT			
PAGE 1 OF 1	DRAWING NUMBER SSL-LX509F3SRT		REV B