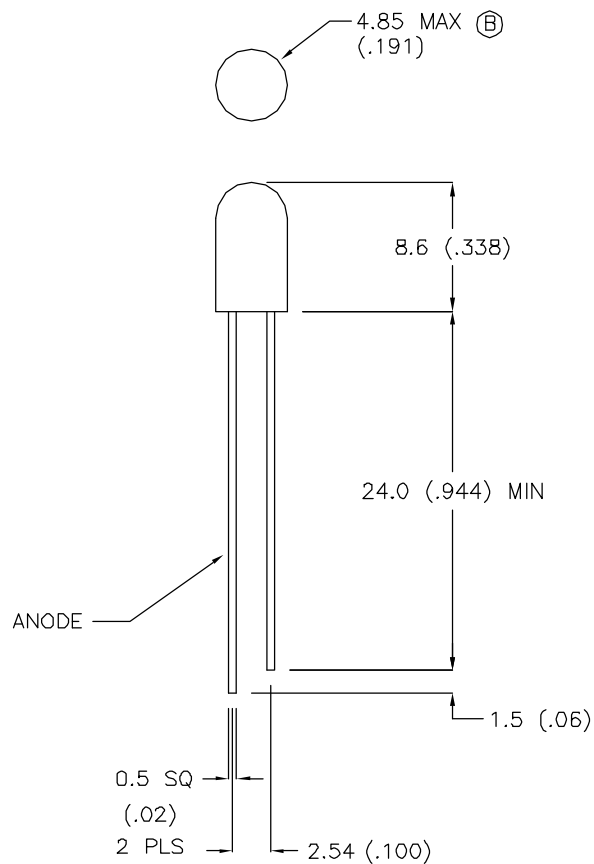


DATE	REVISIONS	REV
4-10-92	REDRAWN/ CHG'D AXIAL INTENSITY FROM "250" TO "40"	A
9-16-92	CHG'D DIA FROM "4.8 DIA" TO "4.85 MAX"/	B
6-20-95	UPDATED SAFE OP. SPECS. AND WHERE NOTED./	C



UNIT: mm  
TOLERANCE:  $\pm 0.2$

DRAWING NUMBER  
**SSL-LX509F3SRD**

REV  
C

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		(C)A 80		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		(C) 60		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT $25^\circ\text{C}$		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
AVG FORWARD CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM $25^\circ\text{C}$	-1.3	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

DATE: 4-10-92	APPROVED BY:	DRAWN BY:
SCALE: N/A		
T5 (T-1 3/4) FLANGELESS LED, SUPER RED DIFFUSED		
PAGE 1 OF 1	DRAWING NUMBER <b>SSL-LX509F3SRD</b>	REV C