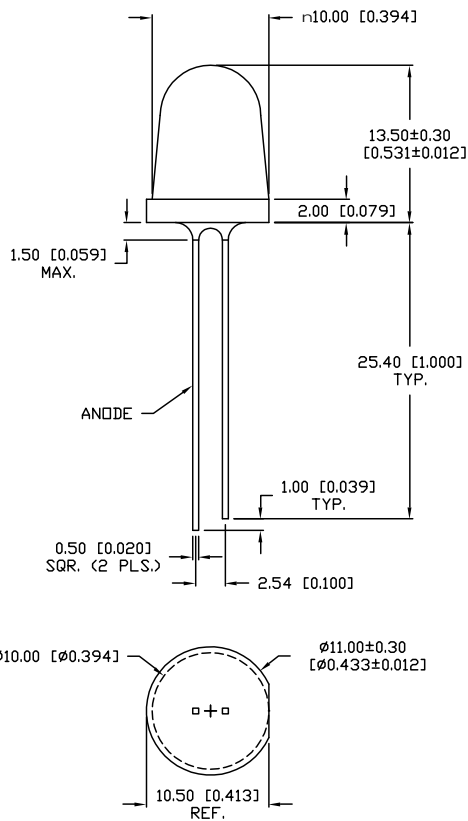


DATE	REVISIONS	REV
3-2-95	DELETED XRC/4 FROM DWG./	A
5-14-97	E.C.N. #10113./	B
7-9-98	E.C.N. #10BRDR. & REDRAWN./	C

DRAWING NUMBER	REV
SSL-LX100133XRC/1,2,3	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	2.4	$V_f$	
REVERSE VOLTAGE	4.0			$V_r$	$I_r = 10 \mu\text{A}$
AXIAL INTENSITY					
SSL-LX100133XRC/1	630	1000		mcd	$I_f = 20\text{mA}$
SSL-LX100133XRC/2	1100	2000		mcd	$I_f = 20\text{mA}$
SSL-LX100133XRC/3	2100	3000		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		8		$2x$ theta	
EMITTED COLOR:	SUPER RED				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	200	mA
STEADY CURRENT	40	mA
POWER DISSIPATION	110	mW
DERATE FROM $25^\circ\text{C}$	-1.2	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

\*  $t < 10 \mu\text{s}$ ,  $*f = 1\text{KHz}$

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**  
INCORPORATED

290 E. HELLEN ROAD  
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(847) 359-2790

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DATE: 2-17-94	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-10mm (T-3 1/8) LED, SUPER BRIGHT RED,  
WATER CLEAR LENS, THREE INTENSITY GRADES.

PAGE 1 OF 1	DRAWING NUMBER	REV
	SSL-LX100133XRC/1,2,3	C

UNLESS OTHERWISE SPECIFIED TOLERANCE IS  $\pm 0.25\text{mm}$  ( $\pm 0.010"$ )

MS/BC