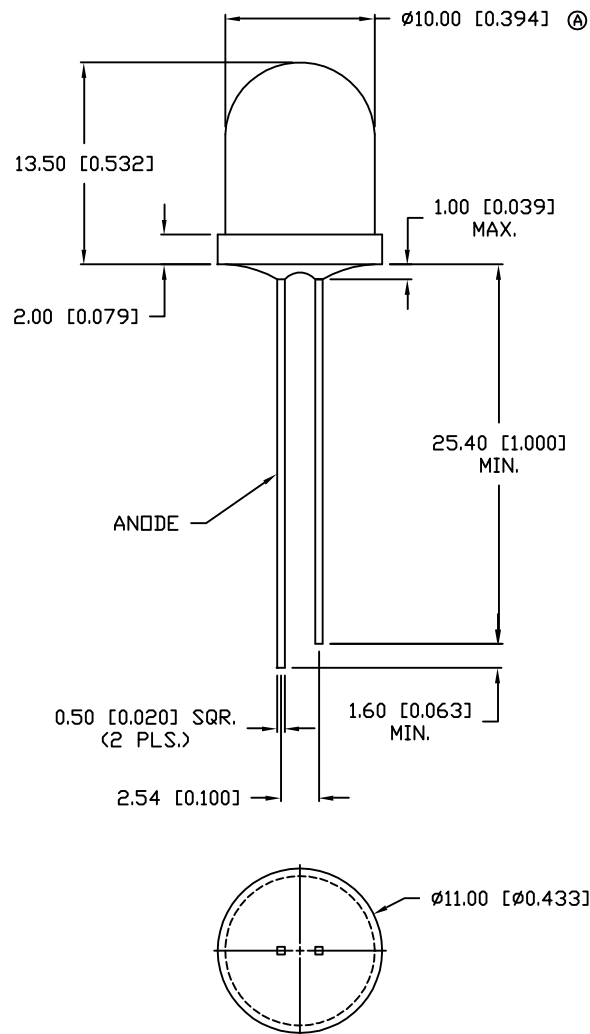


DATE	REVISIONS	REV
3-10-98	E.C.N. #10BRDR. & #10421. & REDRAWN./	A

DRAWING NUMBER	REV
SSL-LX100133BID	A



# ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $V_f=9-12\text{V}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE	3.5	9-12	13.0	$V_f$	
FORWARD CURRENT	6.0	38-50	70	mA	
BLINKING FREQUENCY	2.5		1.5	Hz	
AXIAL INTENSITY		60		mcd	$V_f=9-12\text{V}$
VIEWING ANGLE		80		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

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

PARAMETER	MAX	UNITS
FORWARD VOLTAGE	13	V
REVERSE VOLTAGE	0.5	V
FORWARD CURRENT	70	mA
POWER DISSIPATION	200	mW
OPERATING, STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY		3 SEC. MAX

## 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.

(A)

**LUMEX**  
INCORPORATED

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DATE: 6-13-96	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-3 1/8mm (T-10) LED, BLINKING RED,  
DIFFUSED LENS.

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

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