

DATE

REVISIONS

REV

3-10-98

E.C.N. #10BRDR. &amp; #10421. &amp; REDRAWN./

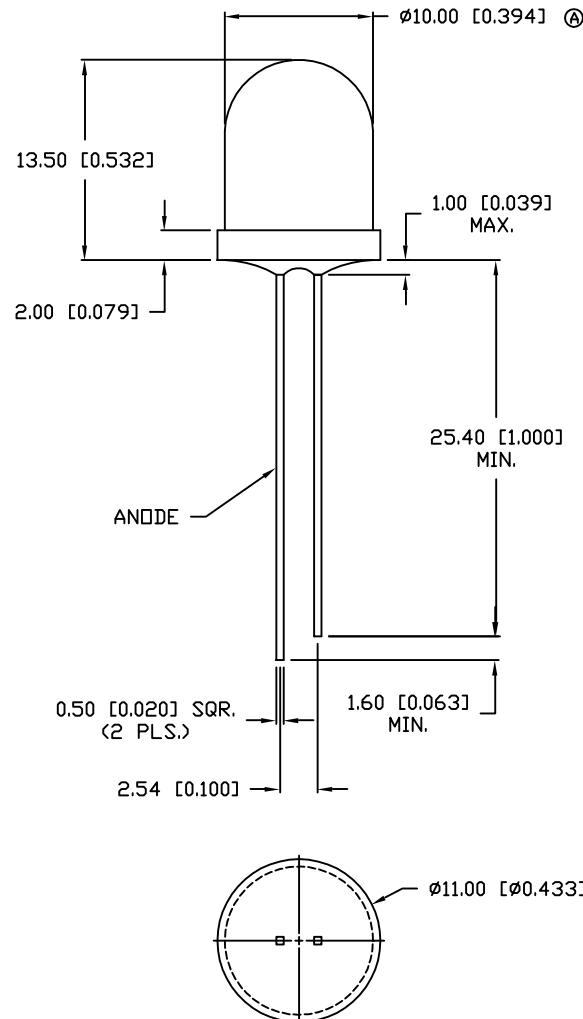
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DRAWING NUMBER

SSL-LX100133SGD

REV

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UNLESS OTHERWISE SPECIFIED TOLERANCE IS  $\pm .25\text{mm}$  ( $\pm .010"$ )ELECTRO-OPTICAL CHARACTERISTICS  $T_A = 25^\circ\text{C}$   $I_f = 20\text{mA}$ 

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	565 (GREEN)			nm	
FORWARD VOLTAGE	2.2		2.6	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r = 100\mu\text{A}$
AXIAL INTENSITY	45			mcd	$I_f = 20\text{mA}$
VIEWING ANGLE	60			2x theta	
EMITTED COLOR:	GREEN				
EOPOXY LENS FINISH:	GREEN DIFFUSED				

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

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	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	

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

## 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.

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DATE: 4-26-95	DWN:	CHK'D:	APP'D:
SCALE: N/A			

T-3 1/8mm (T-10) LED, SUPER GREEN,  
GREEN DIFFUSED LENS.

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PAGE 1 OF 1

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# Mouser Electronics

Authorized Distributor

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