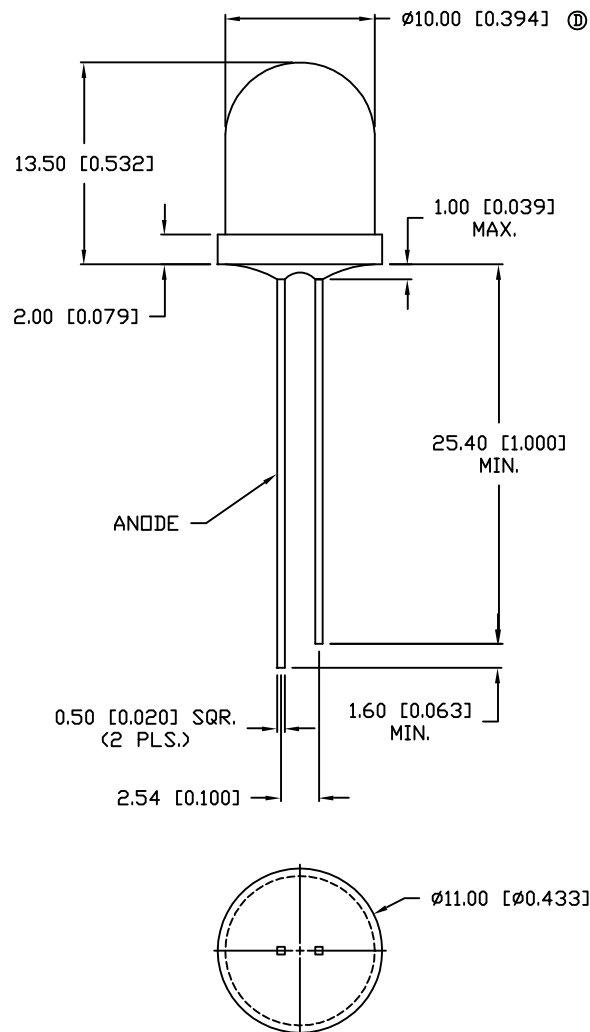


DATE	REVISIONS	REV
8-5-93	REDRAWN.	A
9-9-94	REVISED INTENSITY SPECIFICATIONS.	B
8-31-95	UPDATED SAFE OPER. SPEC., ADDED TYP TO /E INTEN.	C
3-10-98	E.C.N. #10BRDR. & #10421. & REDRAWN./	D



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

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/B	500	1000		mcd	$I_f = 20\text{mA}$
/C	1000	1600		mcd	$I_f = 20\text{mA}$
/D	1600	2000		mcd	$I_f = 20\text{mA}$
© /E	2000	2500		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

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

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^\circ\text{C}$	-1.2	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: 10-15-91	DWN:	CHK'D:	APPD:
SCALE: N/A			
T-3 1/8mm (T-10) LED, SUPER RED, WATER CLEAR LENS.			
PAGE 1 OF 1	DRAWING NUMBER SSL-LX100133SRC(/B-/E)		REV D

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