

DATE	REVISIONS	REV
5-17-94	REVISED INTENSITY SPECIFICATIONS.	A
7-6-95	UPDATED SAFE OPER. SPEC.	B
3-10-98	E.C.N. #10BRDR. & #10421. & REDRAWN./	C

DRAWING NUMBER
SSL-LX100133SRD(/B-/G) REV C

REPLACES PART# SSL-LX100133SRD

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	120	160		mcd	$I_f=20\text{mA}$
/C	200	275		mcd	$I_f=20\text{mA}$
/D	350	400		mcd	$I_f=20\text{mA}$
/E	450	500		mcd	$I_f=20\text{mA}$
/F	550	600		mcd	$I_f=20\text{mA}$
/G	650	725		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

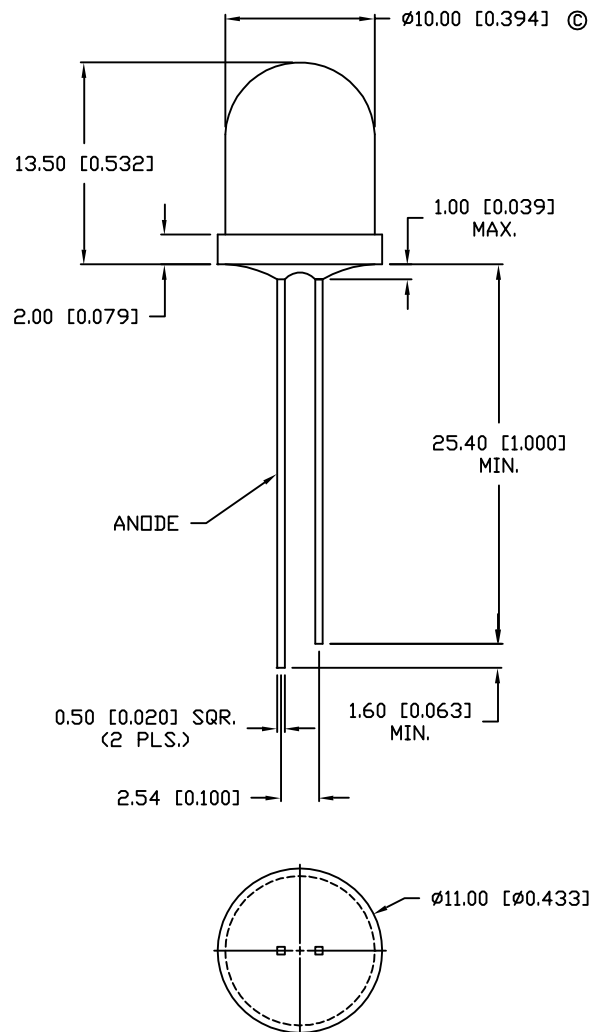
Ⓐ LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°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.



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

DU

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DATE: 7-14-93	DWN:	CHK'D:	APPD:
SCALE: N/A			

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

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