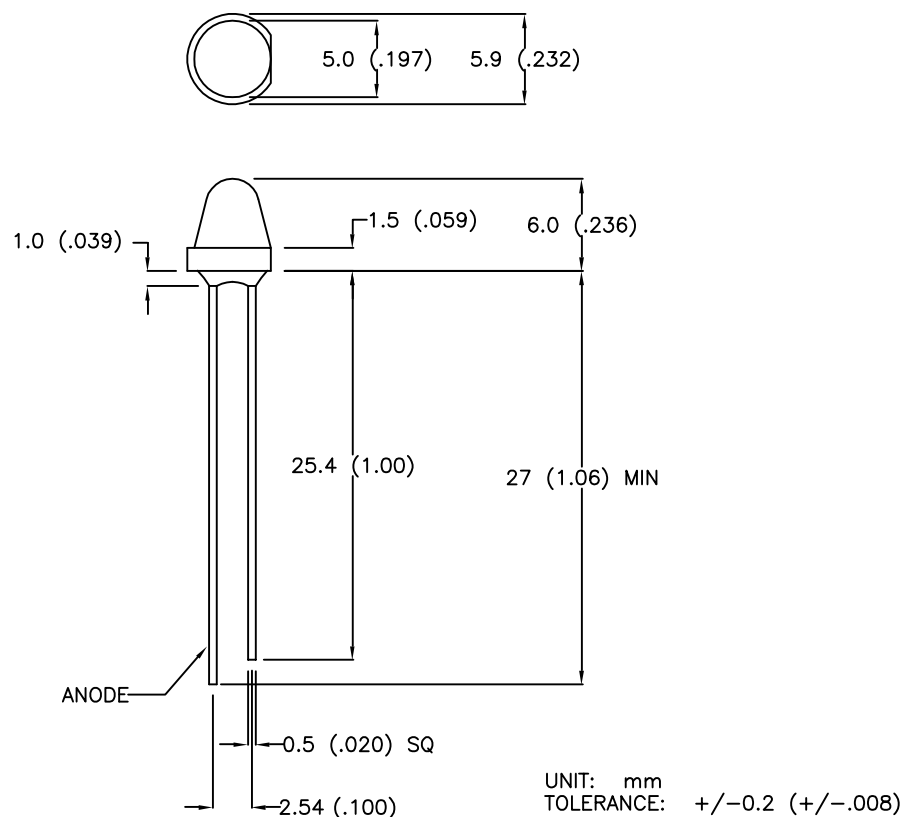


DATE	REVISIONS	REV
11-1-93	CHG'D AXIAL INTENSITY, VIEWING ANGLE, AND DESCRIPTION TO SPECIFY TRANSPARENT/	A
5-11-94	ADDED NOTE 2.	B

DRAWING NUMBER SSL-LX52479	REV B
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NOTE:

1. COPPER LEADFRAME, NON-MAGNETIC.
2. LEADFRAME TO BE CHECKED FOR MAGNETISM USING LUMEX MAGNET #L2310.

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.

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25\text{ }^{\circ}\text{C}$ $I_f=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE		2.0	2.8	V_f	$I_f=20\text{mA}$
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		30		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR : RED					
EPOXY LENS FINISH: RED TRANSPARENT					

LIMITS OF SAFE OPERATION AT 25 DEG. C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT *	155	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	110	mW
DERATE FROM 25 °C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-55 TO +100	°C
LEAD SOLDERING TEMP.	+260	°C
1.6mm FROM BODY		5 SEC. MAX

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



292 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
(708) 359-2790

DATE: 10-29-93	APPROVED BY:	DRAWN BY:
SCALE: N/A		
SHORT PROFILE T-5 (T-1 3/4) LED, RED TRANSPARENT, SPECIAL NON-MAGNETIC LEADFRAME		
PAGE 1 OF 1	DRAWING NUMBER SSL-LX52479	REV B