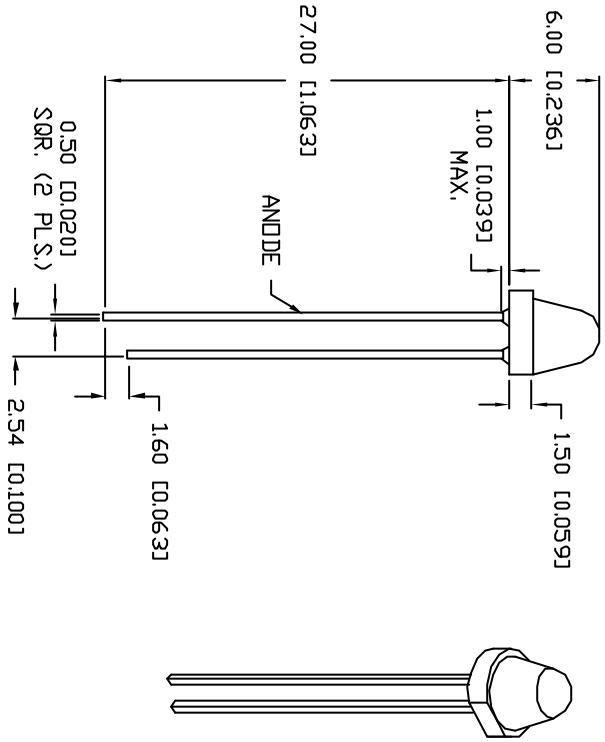
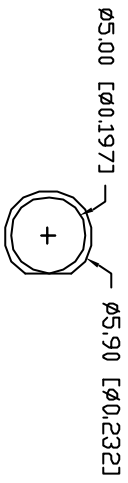


REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	UPDATED SPECS.	7.27.95
B	REDRAWN.	11.10.97
C	E.C.N. #10BRDR. & REDRAWN IN 3D.	4.19.01



ELECTRO-OPTICAL CHARACTERISTICS  $I_A=25^{\circ}\text{C}$   $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.5	V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	$I_f=100\mu\text{A}$
AXIAL INTENSITY		40		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
* $t < 10\mu\text{s}$		

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=#1 (±0.039), XX=#1.05 (±0.020), XXX=#0.25 (±0.010), XXXX=#0.127 (±0.005), LEAD SIZE=#0.05 (±0.002), LEAD LENGTH=#0.75 (±0.030), MIN=±0.005, MAX=±0.010, DECIMAL PRECISION

REV. C  
PART NUMBER  
SSL-LX50631D

T-5mm (T-1 3/4) 635nm RED LED,  
RED DIFFUSED LENS.

CONFIDENTIAL INFORMATION  
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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.



290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
US WEB: www.lumex.com  
TW WEB: www.lumex.com.tw

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PAGE: 1 OF 1  
SCALE: N/A