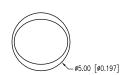
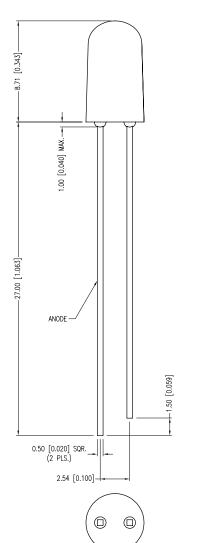
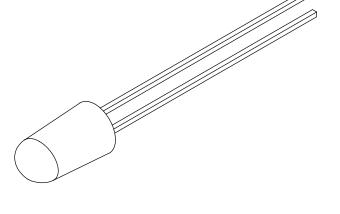
UNCONTROLLED DOCUMENT







PART NUMBER	SSL-LX509E3SIT		Α
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
04.26.11	E.C.N. #10BRDR. & REDRAWN.		Α

ELECTRO-OPTICAL CHARACTERISTICS TA =25°C If=20mA					
PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636		nm	
FORWARD VOLTAGE		2.0	2.6	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=10μA
AXIAL INTENSITY		1100		mcd	If=20mA
VIEWING ANGLE (X)		50		2x theta	
VIEWING ANGLE (Y)		30		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH	H: RED	TRANSPARENT			

LIMITS OF SAFE OPERATION AT 25	°C	
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	185	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	170	mW
DERATE FROM 25°C	-1.2	mW/*C
OPERATING TEMP.	-40 TO +85	.C
STORAGE TEMP.	-40 TO +85	•C
SOLDERING TEMP.	+260	.C
2.0mm FROM BODY	3	SEC. MAX.

\* t<10µS

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN=  $^{+DECIMAL}_{-0.00}$  PRECISION MAX.=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.000}$  MAX.=  $^{+0.000}_{-0.000}$  MAX.

Creating LED and LCD Solutions Together™ WEB: WWW.LUMEX.COM

290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538

T-5mm BASE, ELLIPTICAL DOME LED, 636nm AlInGaP RED, RED TRANSPARENT LENS.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE:	04.26.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	BC
SCALE:	NTS	APRVD BY:	KF
UNIT:	mm [INCH]	R	

## **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lumex:

SSL-LX509E3SIT