



**THE DATASHEET OF  
SSL-LX509E3SIT**



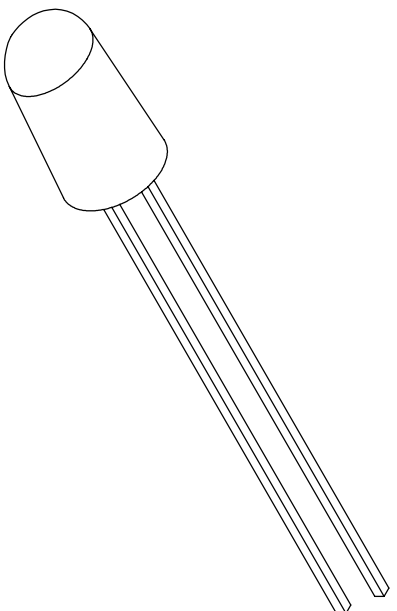
PART NUMBER	SSL-LX509E3SIT		REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.	
04.26.11	E.C.N. #10BRDR. & REDRAWN.		REV.	A

ELECTRO-OPTICAL CHARACTERISTICS TA = 25°C

PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636		nm	
FORWARD VOLTAGE		2.0	2.6	Vf	I=10mA
REVERSE VOLTAGE	5.0			Vr	I=20mA
AXIAL INTENSITY		1100		cd	
VIEWING ANGLE (X)		50		2x theta	
VIEWING ANGLE (Y)		30		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	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.



1.50 [0.059]

0.500 [0.197]

X±1 (+0.039), X-X±H0.5 (+0.020), X-XX±H0.25 (+0.010), X-XXX±H0.127 (+0.005), LEAD SIZE±H0.05 (+0.002), LEAD LENGTH±H0.75 (+0.030), MIN±<sup>+DECIMAL PRECISION</sup>-<sub>DECIMAL PRECISION</sub>

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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\*\*

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



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