

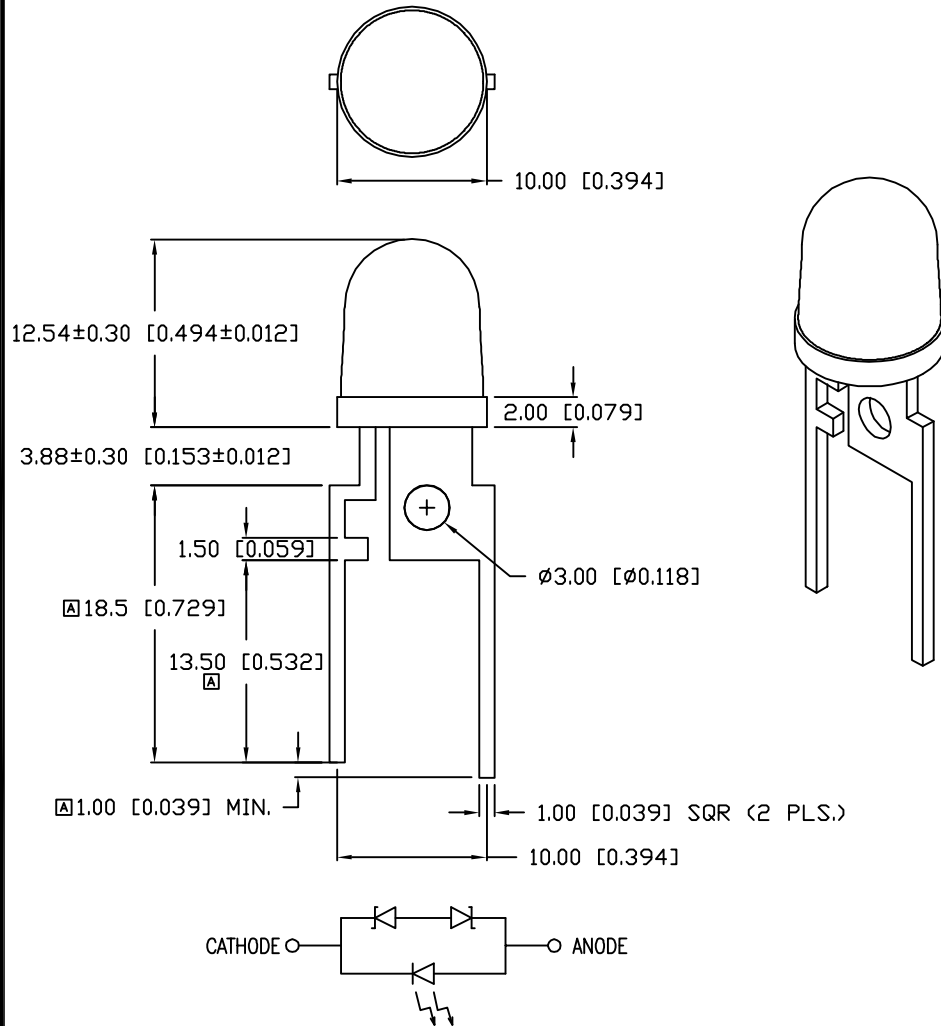
UNCONTROLLED DOCUMENT

PART NUMBER
SSL-LX100T123SIC

REV.

A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11574	07.08.09



ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			636		nm	
FORWARD VOLTAGE	V _f		2.0	3.0	V	I _f =350mA
REVERSE VOLTAGE	V _r	5			V	I _r =10μA
AXIAL INTENSITY	I _v	27		45	lm	I _f =350mA
VIEWING ANGLE			25		2x theta	
EMITTED COLOR:	RED					
EPOXY LENS FINISH:	CLEAR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	500	mA
STEADY CURRENT	350	mA
POWER DISSIPATION	1.4	W
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

*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 PRECISION MAX.= +0.00 -DECIMAL PRECISION

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ø10.00mm 1 WATT THROUGH HOLE, HIGH POWER LED,
 636nm AlInGaP RED LED, WATER CLEAR LENS.

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.

DRAWN BY: JN	CHECKED BY:	APPROVED BY:	DATE: 12.19.07
			PAGE: 1 OF 1
			SCALE: N/A