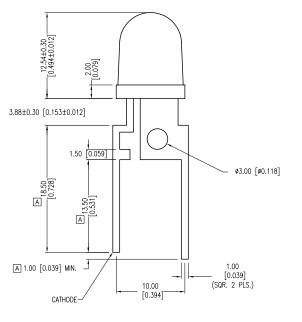
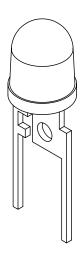
UNCONTROLLED DOCUMENT

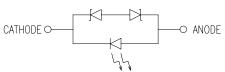
PART NUMBER	SSL-LX100T123SIC	REV.	Α
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
07.08.09	E.C.N. #11574.		Α











ELECTRO-OPTICAL	CHARACTERISTIC	S T _A = 25°C	$I_f = 3$	50mA		
PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			636		nm	
FORWARD VOLTAGE	V_{f}		2.0	3.0	٧	I _f =350mA
REVERSE VOLTAGE	V_r	5.0			٧	I _r =10uA
AXIAL INTENSITY	l _v	27		45	lm	I _f =350mA
VIEWING ANGLE			25		2x theta	
EMITTED COLOR:	RED					
EPOXY LENS FINISH	H: WATER	CLEAR LENS				

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 TEMP.	-40 TO +85	.c
STORAGE TEMP.	-40 TO +85	•c
SOLDERING TEMP.	+260	•C
2.0mm FROM BODY		3 SEC. MAX
* t<10us		

* t<10uS

*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 UNCONTROLLED DOCUMENT



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

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

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	SCALE:		NTS		APRVD E	BY:		
	UNIT: mm [INCH]				P6			