

UNCONTROLLED DOCUMENT

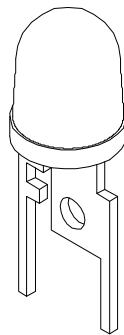
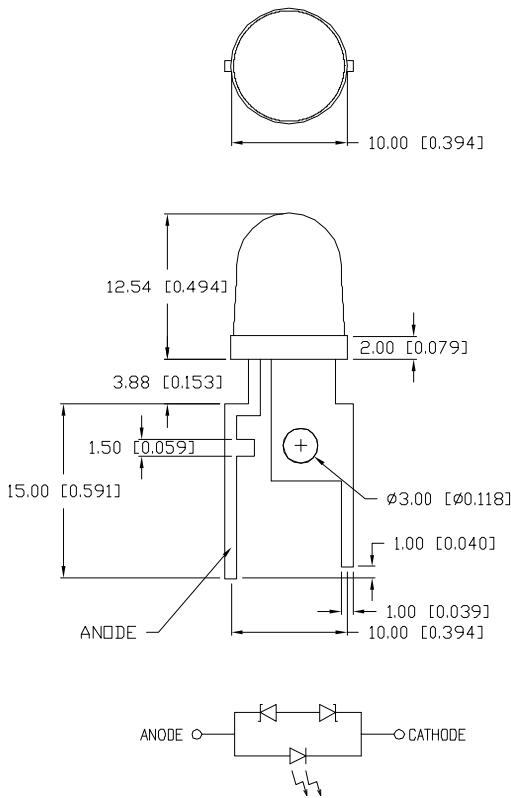
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PART NUMBER

REV.

SSL-LX100T123UWC

PRELIMINARY IN P/N DIR



ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			-		nm	
FORWARD VOLTAGE	V _f		3.5	4.0	V	I _f =350mA
REVERSE VOLTAGE	V _r	5			V	I _r =10μA
AXIAL INTENSITY(*1)	I _v	27	37		lm	I _f =350mA
CHROMATICITY	X	0.245		0.361		I _f =350mA
COORDINATES(*2)	Y	0.225		0.385		I _f =350mA
VIEWING ANGLE			25		2x theta	
EMITTED COLOR:					WHITE	
EPOXY LENS FINISH:					WATER CLEAR	

*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.
*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

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

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.



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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±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= +DECIMAL PRECISION -0.00 MAX= +0.00 -DECIMAL PRECISION

REV.	PART NUMBER SSL-LX100T123UWC
ø10.00mm 1 WATT THROUGH HOLE, HIGH POWER LED, InGaN WHITE LED, WATER CLEAR LENS.	

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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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