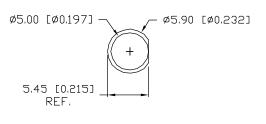
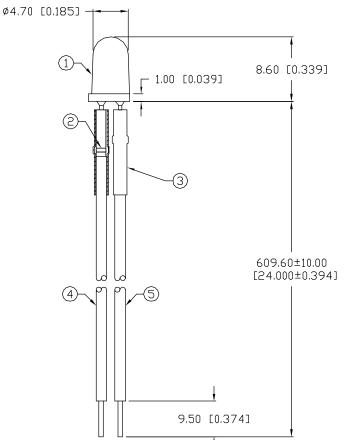
## UNCONTROLLED DOCUMENT

PART NUMBER SSI-LX5093XSIC-610





ELECTRO-OPTICAL CHARACTERISTICS TA=25°C If=20mA					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636		nm	
FORWARD VOLTAGE		2.0	2.5	Vf	
REVERSE VOLTAGE	5.0			$V_r$	Ir=100µA
AXIAL INTENSITY		2500		mcd	$I_f = 20 \text{mA}$
VIEWING ANGLE		10		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER	CLEAR			

## LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/′C
OPERATING, STORAGE TEMP.	-40  TO  +85	°C
SOLDERING TEMP.	+ 260	<b>°</b> C
2.0mm FROM BODY		3 SEC. MAX

\* t<10uS

## NOTES:

- 1. SSL-LX5093XSIC LED. TRIM LEADS TO 5mm.
- 2. CRIMP LEAD WIRES TO LED LEADS (2 PCS.).
- 3. HEAT SHRINK INSULATION, 12.5mm IN LENGTH (2 PCS.).
- 4. ANODE: LXP-WST24RDTOC, CUT AT 605mm, STRIP 4mm & 9.5mm.
- 5. CATHODE: LXP-WST24BLTOC, CUT AT 605mm, STRIP 4mm & 9.5mm.

UNCONTROLLED DOCUMENT \*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 ARE: X=±1 (±0.039), X.X=±0.5 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.003), MIN= +DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.002), MIN= +DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.002), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.000 (±0.000), MIN= +DECIMAL PRECISION ARE: X=±0.00

REV. PART NUMBER SSI-LX5093XSIC-610

T-5mm 636nm AllnGaP RED LED. WATER CLEAR LENS. WITH 24" WIRE LEADS.

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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.



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5.13.03 PAGE: 1 OF 1 SCALE: N/A

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