

UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSL-LX5093BSRC/E		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.29.01



ELECTRO-OPTICAL CHARACTERISTICS T<sub>A</sub>=25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660		nm	
FORWARD VOLTAGE		3.0	14.0	V <sub>f</sub>	
BLINKING FREQUENCY:		1.5		Hz	V <sub>f</sub> =14.0, I <sub>f</sub> =70mA
		2.5		Hz	V <sub>f</sub> =3.0, I <sub>f</sub> =6mA
AXIAL INTENSITY		600		mcd	V <sub>f</sub> =9.0
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	70	mA
STEADY CURRENT	20	mA
POWER DISSIPATION	105	mW
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. MAX

\* 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= <sup>+0.00</sup>/<sub>-0.00</sub> DECIMAL PRECISION, MAX.= <sup>+0.00</sup>/<sub>-0.00</sub> DECIMAL PRECISION

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T-5mm (T-1 3/4) BLINKING 660nm SUPER 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:	CHECKED BY:	APPROVED BY:	DATE:
BC			6.24.96
			PAGE: 1 OF 1
			SCALE: N/A