


PART NUMBER			REV.
SSL-LX30C58ID			A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE	
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	4.11.01	

ELECTRO-OPTICAL CHARACTERISTICS I <sub>A</sub> =25°C I <sub>F</sub> =20mA				
PARAMETER	MIN	TYP	MAX	UNITS TEST COND
PEAK WAVELENGTH		635		nm
FORWARD VOLTAGE		2.0	2.5	V <sub>F</sub>
REVERSE VOLTAGE	5.0			V <sub>R</sub> I <sub>F</sub> =100μA
AXIAL INTENSITY		10		mcd I <sub>F</sub> =20mA
VIEWING ANGLE		60		2x theta
EMITTED COLOR:	RED			
EPOXY LENS FINISH:	RED DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.8	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=±0.08 (+0.002), LEAD LENGTH=±0.75 (+0.030), MM=±0.00

REV.	PART NUMBER	CONFIDENTIAL INFORMATION
A	SSL-LX30C58ID	THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND OSMENATION TO ALL THIRD PARTIES.
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.		
T-3mm (T-1) 635nm RED LED, RED DIFFUSED LENS.		
DRAWN BY: BIC		CHECKED BY:
DATE: 2.25.93		APPROVED BY:
PAGE: 1 OF 1		SCALE: N/A



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