



ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		620		nm	
FORWARD VOLTAGE		2.3	2.91	$V_f$	$I_f=70\text{mA}$
REVERSE VOLTAGE	5.0			$V_r$	$I_r=10\mu\text{A}$
LUMINOUS INTENSITY		800		mcd	$I_f=70\text{mA}$
TOTAL FLUX		1310		mlm	$I_f=20\text{mA}$
LUMINOUS INTENSITY/ VIEWING ANGLE		0.61		mcd/mlm	2x theta
EMITTED COLOR:	ORANGE				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	200	mA
STEADY CURRENT	70	mA
POWER DISSIPATION	120	mW
DERATE FROM 25°C	-2.0	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP. 2.0mm FROM BODY	+260	°C
		3 SEC. MAX

\*  $t < 10\mu\text{s}$

\*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 MAX.=+0.00 -DECIMAL PRECISION

REV.	PART NUMBER SSL-LX30448SOC
T-7.6 x 7.6mm LED, SUPER ORANGE 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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