

ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=70\text{mA}$ 

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		591		nm	
FORWARD VOLTAGE	2.1	2.6	3.1	$V_f$	$I_f=70\text{mA}$
REVERSE VOLTAGE	5.0			$V_r$	$I_r=10\mu\text{A}$
TOTAL FLUX	4500	6600	9000	mIm	$I_f=70\text{mA}$
VIEWING ANGLE		95		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$ 

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	70	mA
POWER DISSIPATION	220	mW
DERATE FROM $25^{\circ}\text{C}$	-2.0	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +100	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY		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-LX50448SYC7.6 x 7.6mm LED, AlInGaP YELLOW LED,  
WATER CLEAR LENS.

## CONFIDENTIAL INFORMATION

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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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