



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		2.1	2.5	$V_f$	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			$V_r$	$I_f=20\text{mA}$
AXIAL INTENSITY		80		mcd	
VIEWING ANGLE		100		$2\theta$ theta	
EMITTED COLOR:		YELLOW			
EPoxy LENS FINISH:		YELLOW DIFFUSED			

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

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^\circ\text{C}$	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
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=±0.08 (+0.002), LEAD LENGTH=±0.75 (+0.030), MIN= -0.00

REV.  
PART NUMBER  
SSL-LX40FT3SYD

T-4mm FLAT TOP, 590nm SUPER YELLOW LED,  
YELLOW DIFFUSED 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.



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DRAWN BY: BIC  
CHECKED BY:  
APPROVED BY: DATE: 4.19.01  
PAGE: 1 OF 1  
SCALE: N/A