



**THE DATASHEET OF  
SSL-LX305F4AT**



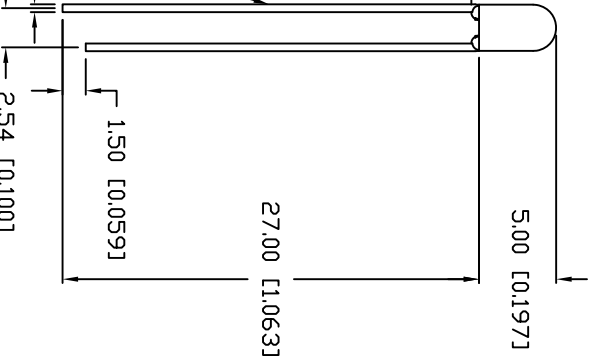
PART NUMBER		REV.
SSL-LX305F4AT		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	4.16.01

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		607		nm	
FORWARD VOLTAGE		2.05	2.5	$V_f$	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			$V_r$	$I_f=20\text{mA}$
AXIAL INTENSITY		70		mcd	
VIEWING ANGLE		50		$2 \times \theta$	
EMITTED COLOR:	AMBER				
EPOXY LENS FINISH:	AMBER TRANSPARENT				

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

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	145	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	62.5	mW
DERATE FROM $25^{\circ}\text{C}$	-1.6	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
* $t < 10\mu\text{s}$		



3S 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=±0.06 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN=-0.00

UNCONTROLLED DOCUMENT

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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.

AMBER  
305F4AT  
AMBER LED,  
T LENS.



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