

## Excellent Integrated System Limited

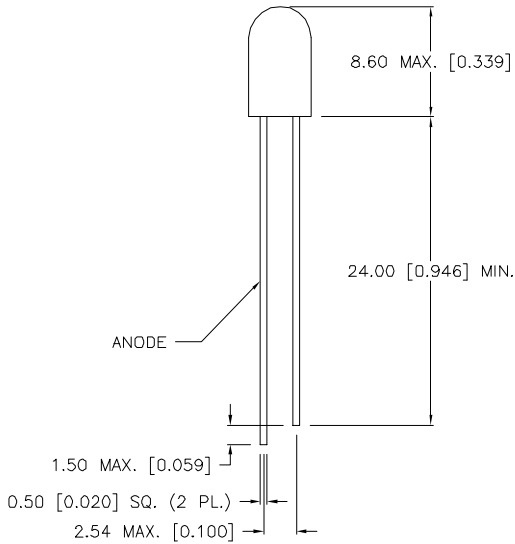
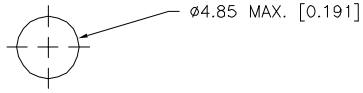
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Lumex, Inc.](#)  
[SSL-LX509F3SYD](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

DATE	REVISIONS	REV	DRAWING NUMBER SSL-LX509F3SYD	REV
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ELECTRO-OPTICAL CHARACTERISTICS  $T_A = 25^\circ\text{C}$   $I_f = 20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585 (YELLOW)		nm	
FORWARD VOLTAGE		2.1	2.8	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_f = 100\mu\text{A}$
AXIAL INTENSITY		150		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		60		$2x$ 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	125	mW
DERATE FROM $25^\circ\text{C}$	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP	-40 TO +85	$^\circ\text{C}$
LEAD SOLDERING TEMP	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

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.

<b>LUMEX</b> OPTO COMPONENTS INC.		292 E. HELLEN ROAD PALATINE, ILLINOIS 60067 (708) 359-2790	
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DATE: 6-24-96	DWN:	CHK'D:	APPD:
SCALE: N/A			
T-5 (T-1 3/4) FLANGELESS LED SUPER YELLOW, DIFFUSED LENS			
PAGE 1 OF 1	DRAWING NUMBER SSL-LX509F3SYD		REV