

Excellent Integrated System Limited

Stocking Distributor

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

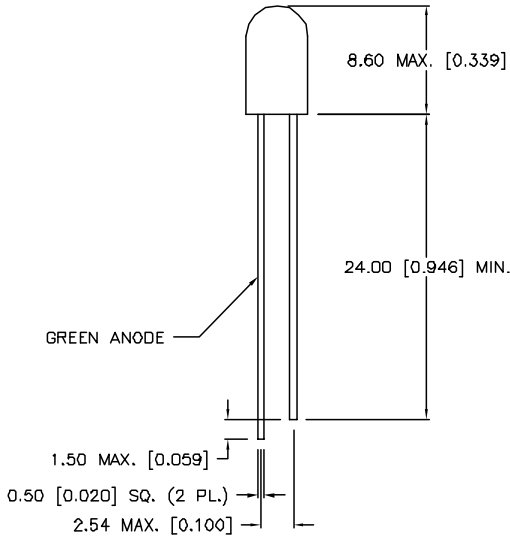
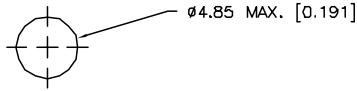
[Lumex, Inc.](#)
[SSL-LX509F3SGSRW](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

DATE	REVISIONS	REV
9-12-95	REDRAWN, UPDATED SAFE OPER. SPECS./	A

DRAWING NUMBER	REV
SSL-LX509F3SGSRW	A



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED) 565 (GREEN)		nm	
FORWARD VOLTAGE (RED) (GREEN)		1.7 2.0	2.2 2.8	V_f	
REVERSE VOLTAGE	4.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY (R/G)		40/20		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		60		$2 \times \theta$	
EMITTED COLOR	SUPER RED/GREEN				
EPOXY LENS FINISH	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*(R/G)	150	mA
STEADY CURRENT (R/G)	30/25	mA
POWER DISSIPATION (R/G)	100/105	mW
DERATE FROM 25°C	-1.3	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.

LUMEX OPTO COMPONENTS INC.		292 E. HELLEN ROAD PALATINE, ILLINOIS 60067 (708) 359-2790	
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DATE: 7-20-94	DWN:	CHK'D:	APPD:
SCALE: N/A			
T-5 (T-1 3/4) FLANGELESS LED, BICOLOR SUPER RED/ SUPER GREEN			
PAGE 1 OF 1	DRAWING NUMBER SSL-LX509F3SGSRW		REV A