

DATE	REVISIONS	REV	DRAWING NUMBER	REV
			SSL-LX509F3SGD	

Top View: Circular lens with diameter $\phi 4.85$ MAX. [0.191]

Side View: Total height 8.60 MAX. [0.339], mounting tab height 24.00 [0.946] MIN., anode lead diameter 1.50 MAX. [0.059], anode lead length 0.50 [0.020] SQ. (2 PL.), mounting tab width 2.54 MAX. [0.100]

ANODE

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		nm	
FORWARD VOLTAGE		2.1	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		40		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR	GREEN				
EPOXY LENS FINISH	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°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.

OPTO COMPONENTS INC.

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DATE:	6-24-96	DWN:	CHK'D:	APPD:
SCALE:	N/A			

T-5 (T-1 3/4) FLANGELESS LED
SUPER GREEN, DIFFUSED LENS

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