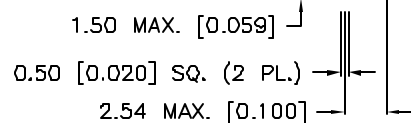
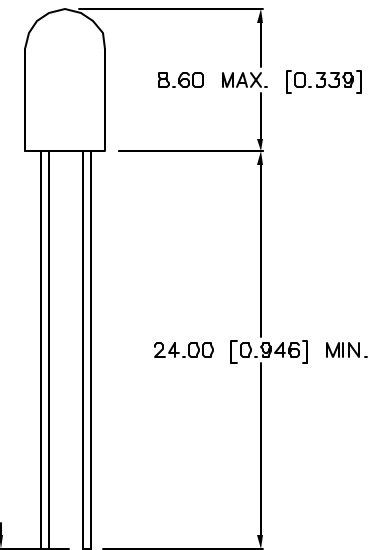
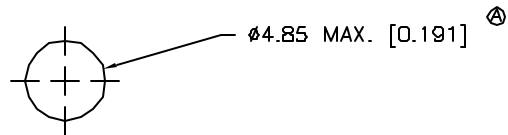


DATE	REVISIONS	REV
9-16-92	REDRAWN, CHG'D DIA. FROM 4.8 TO 4.85 MAX./	A
9-12-95	REDRAWN, UPDATED SAFE OPER. SPECS./	B

DRAWING NUMBER SSL-LX509F3GD	REV B
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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		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		20		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		80		2θ	
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	$\text{mW}/^{\circ}\text{C}$
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.



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DATE: 4-10-92	DWN:	CHK'D:	APPD:
SCALE: N/A			

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

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