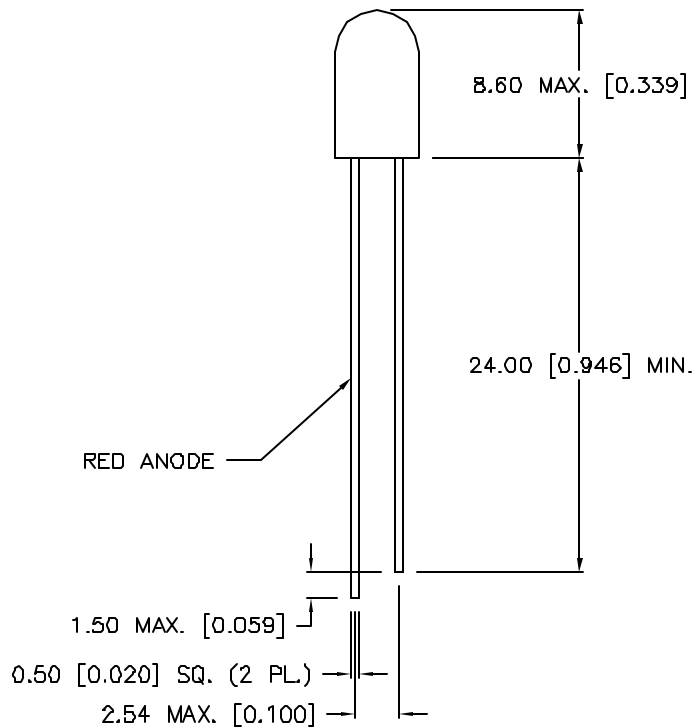
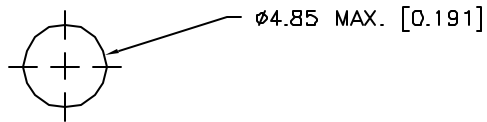


DATE	REVISIONS	REV
9-12-95	REDRAWN, UPDATED SAFE OPER. SPECS./	A

DRAWING NUMBER	REV
SSL-LX509F3HGW	A



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		700 (RED) 565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		2.1	2.8	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r = 100\mu\text{A}$
AXIAL INTENSITY (R/G)		5/B		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		80		$2x$ theta	
EMITTED COLOR	RED/GREEN				
EPOXY LENS FINISH	MILKY WHITE DIFFUSED				

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

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*(R/G)	150	mA
STEADY CURRENT (R/G)	25	mA
POWER DISSIPATION (R/G)	120/105	mW
DERATE FROM $25^\circ\text{C}$	-1.1	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP	-40 TO +85	$^\circ\text{C}$
LEAD SOLDERING TEMP	+250	$^\circ\text{C}$
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: 9-1-93	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-5 (T-1 3/4) FLANGELESS LED, BICOLOR,  
 RED/GREEN MILKY WHITE DIFFUSED

PAGE 1 OF 1	DRAWING NUMBER SSL-LX509F3HGW	REV A
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