

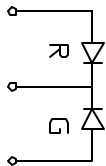
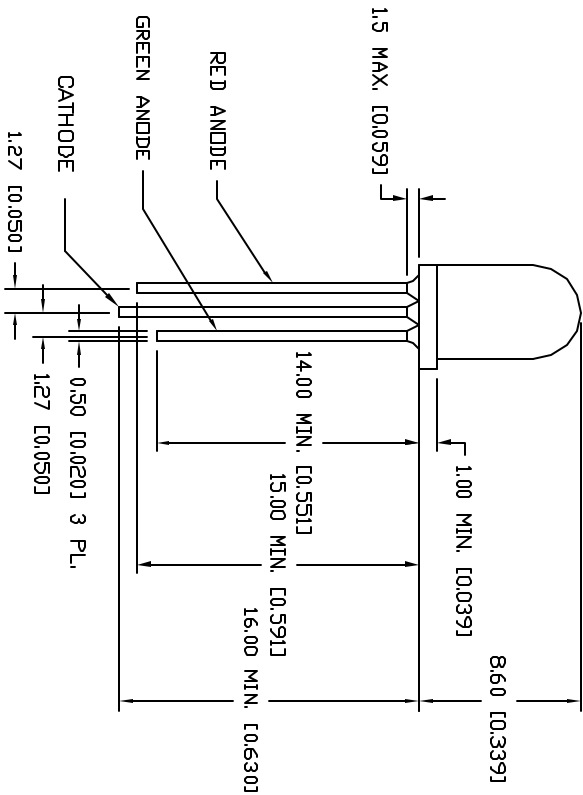
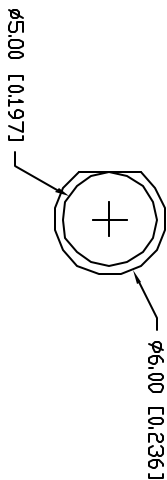
DATE

REVISIONS

REV

DRAWING NUMBER  
SSL-LX50971GW

REV

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

PARAMETER	MIN	TYPE	MAX	UNITS	TEST COND
PEAK WAVELENGTH	635 (RED) 585 (GREEN)			nm	
FORWARD VOLTAGE (R/G)	2.1		2.8	V <sub>f</sub>	I <sub>r</sub> =100 $\mu\text{A}$
REVERSE VOLTAGE (R/G)	5.0			V <sub>r</sub>	I <sub>f</sub> =20 mA
AXIAL INTENSITY (R/G)	20			med	
VIEWING ANGLE	60			2x theta	
EMITTED COLOR	RED/GREEN				
EPOXY LENS FINISH	MILKY WHITE DIFFUSED				

## LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*(R/G)	160	mA
STEADY CURRENT (R/G)	30/25	mA
POWER DISSIPATION(R/G)	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP	-40 TD +85	°C
LEAD SOLDERING TEMP	+260	°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:	4-28-96	DWN:		CHK'D:		APP'D:	
SCALE:	N/A						

T-5 (T-1 3/4) LED, BICOLOR RED/GREEN, MILKY WHITE DIFFUSED, .05" LEAD CENTERS, COMMON CATHODE

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