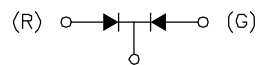
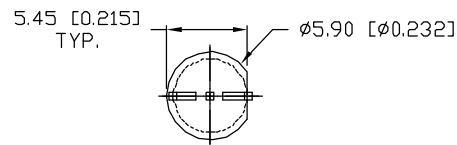
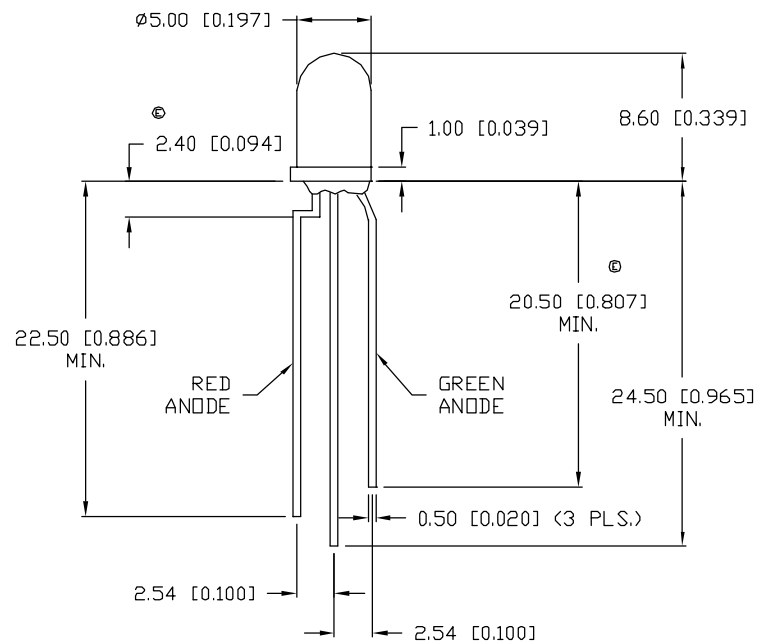


DATE	REVISIONS	REV
7-9-92	REDRAWN.	A
8-31-94	CHANGED SAFE OPER. SPECS.	B
2-1-95	UPDATED SPECS.	C
4-5-95	UPDATED SPECS.	D
9-7-95	CORRECTED DIMS. WHERE NOTED.	E
2-27-98	E.C.N. #10BRDR. & REDRAWN./	F



COMMON CATHODE

UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010''$)

DRAWING NUMBER SSL-LX5099HGW					REV F
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 nm	
FORWARD VOLTAGE(R/G)		2.0/2.2	2.5/2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (R/G)		6/25		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR: RED/GREEN					
EPOXY LENS FINISH: MILKY WHITE DIFFUSED					
LIMITS OF SAFE OPERATION AT 25°C					
PARAMETER	COLORS		MAX	UNITS	
PEAK FORWARD CURRENT*			150	mA	
STEADY CURRENT			25	mA	
POWER DISSIPATION	(R/G)		120/105	mW	
DERATE FROM 25°C			-1.2	$\text{mW}/^{\circ}\text{C}$	
OPERATING, STORAGE TEMP.			-40 TO +85	$^{\circ}\text{C}$	
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.					
			290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 (847) 359-2790		
CONFIDENTIAL INFORMATION					
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DATE:	6-27-90	DWN:		CHK'D:	
SCALE:	N/A			APPD:	
T-5mm (T-1 3/4) LED BICOLOR RED/GREEN, MILKY WHITE DIFFUSED LENS, COMMON CATHODE.					
PAGE 1 OF 1		DRAWING NUMBER SSL-LX5099HGW			REV F