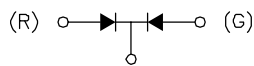
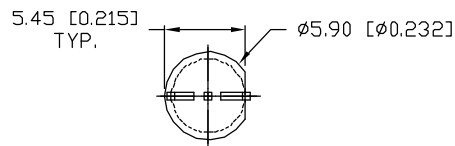
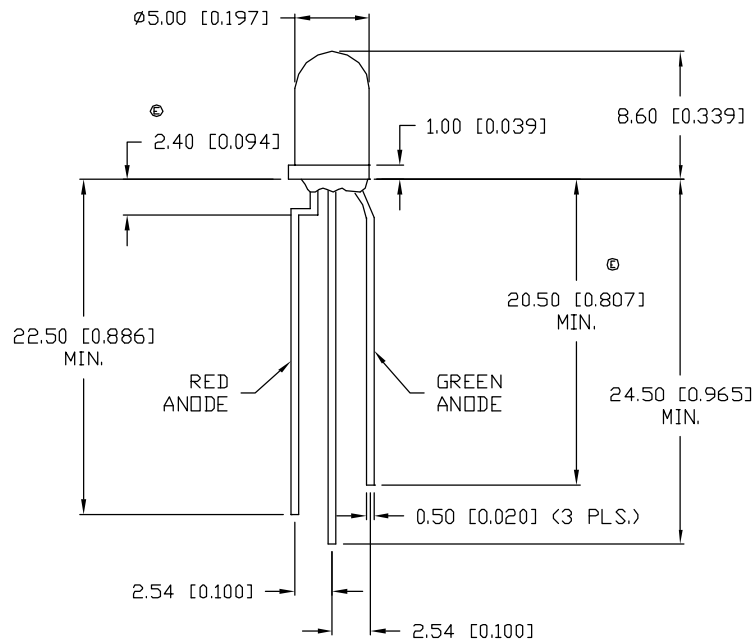


DATE	REVISIONS	REV
7-9-92	REDRAWN.	A
8-31-94	CHANGED SAFE OPER. SPECS.	B
2-1-95	UPDATED SPECS.	C
4-5-95	UPDATED SPECS.	D
9-7-95	CORRECTED DIMS. WHERE NOTED.	E
2-27-98	E.C.N. #10BRDR. & REDRAWN./	F

DRAWING NUMBER SSL-LX5099HGW	REV F
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COMMON CATHODE

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

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)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		2.0/2.2	2.5/2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f = 100\mu\text{A}$
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.

LUMEX
INCORPORATED

290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
(847) 359-2790

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DATE: 6-27-90	DWN:	CHK'D:	APPD:
SCALE: N/A			

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
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