

DATE	REVISIONS	REV
3-18-98	E.C.N. #10BRDR. & REDRAWN./	A

DRAWING NUMBER	REV
SSL-LX5099SRSGW	A

UNCONTROLLED DOCUMENT

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED) 565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		1.7/2.2	2.2/2.6	V_f	
REVERSE VOLTAGE (R/G)	4.0/5.0			V_r	$I_f = 100\mu\text{A}$
AXIAL INTENSITY (R/G)		200/60		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

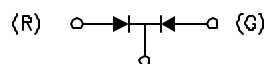
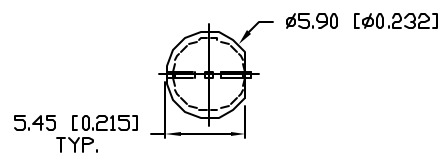
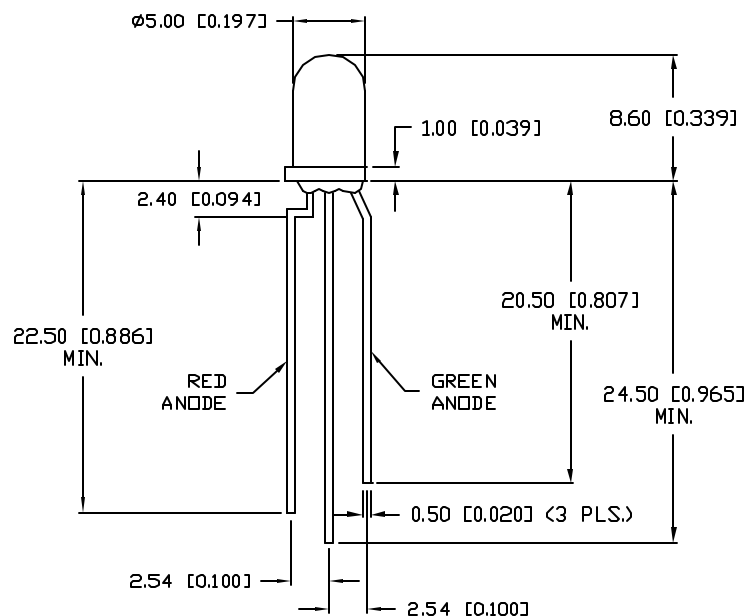
PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/G)	30/25	mA
POWER DISSIPATION	(R/G)	100/105	mW
DERATE FROM 25°C		-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

* $t < 10\mu\text{s}$

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.

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COMMON CATHODE

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DATE: 10-23-96	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-5mm (T-1 3/4) LED, SUPER RED/SUPER GREEN BICOLOR,
MILKY WHITE DIFFUSED LENS, COMMON CATHODE.

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

DU

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