



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

PARAMETER	COLOR	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			635		nm	
			565		nm	
FORWARD VOLTAGE	(R/G)		2.1	2.5	$V_f$	
REVERSE VOLTAGE		5.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY	(R/G)		10		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  $25^{\circ}\text{C}$

PARAMETER		MAX	UNITS
PEAK FORWARD CURRENT*	(R/G)	150	mA
STEADY CURRENT	(R/G)	30/25	mA
POWER DISSIPATION	(R/G)	105	mW
DERATE FROM $25^{\circ}\text{C}$		-1.3	mW/ $^{\circ}\text{C}$
OPERATING TEMP.		-40 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.		-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.		+260	$^{\circ}\text{C}$
2.0mm FROM BODY		3	SEC. MAX

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

NOTES:

1. SSL-LX5099IGW.
2. RED ANODE LEAD: 24 AWG STRANDED, RED INSULATION, CUT 160mm
3. CATHODE LEAD: 24 AWG STRANDED, BLACK INSULATION, CUT 160mm
4. GREEN ANODE LEAD: 24 AWG STRANDED GREEN INSULATION, CUT 160mm
5. HEAT SHRINK TUBING (3 PLS).
6. CUT LEAD LEADS TO APPROX. 3/8" IN LENGTH.
7. CRIMP WIRE LEADS TO CUT LEAD LEADS.

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= <sup>+DECIMAL PRECISION</sup> -0.00 MAX= <sup>+0.00</sup> -DECIMAL PRECISION

UNCONTROLLED DOCUMENT



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T-1 3/4 BICOLOR LED WITH 6" LEADS

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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DATE:	05.28.97	DRAWN BY:	JH
PAGE:	1 OF 1	CHKD BY:	JD
SCALE:	N/A	APRVD BY:	KF
UNIT:	mm [INCH]		(R)