



A NOTES:

1. SSL-LX5099IGW-CA, BICOLOR LED.
2. RED CATHODE LEAD: LXP-WST24RDT0C, RED INSULATION, CUT 48mm LONG, STRIP 3mm BOTH ENDS.
3. COMMON ANODE: LXP-WST24BLT0C, BLACK INSULATION, CUT 48mm LONG, STRIP 3mm BOTH ENDS.
4. GREEN CATHODE LEAD: LXP-WST24GRT0C, GREEN INSULATION, CUT 48mm LONG, STRIP 3mm BOTH ENDS.
5. LXP-HEATSHRINK-2, 1/16" x 13mm. (3 PCS.)
6. CUT LED LEADS TO APPROX. 3/8" IN LENGTH.
7. CRIMP WIRE LEADS TO CUT LED LEADS.

PART NUMBER		REV.
SSI-LX5099IGWCA-50		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10893.	7.23.02
B	E.C.N. #11343.	8.2.06

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (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)		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°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/G)	30/25	mA
POWER DISSIPATION		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

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

*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=+0.00 DECIMAL PRECISION MAX=+0.00 DECIMAL PRECISION

REV.

B

PART NUMBER

SSI-LX5099IGWCA-50

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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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T-1 (T-1 3/4) BICOLOR 635nm RED/565nm GREEN LED,
MILKY WHITE DIFFUSED LENS WITH 2" WIRE LEADS.

DRAWN BY:

GT

CHECKED BY:

APPROVED BY:

DATE: 5.21.02

PAGE: 1 OF 1

SCALE: N/A