

UNCONTROLLED DOCUMENT

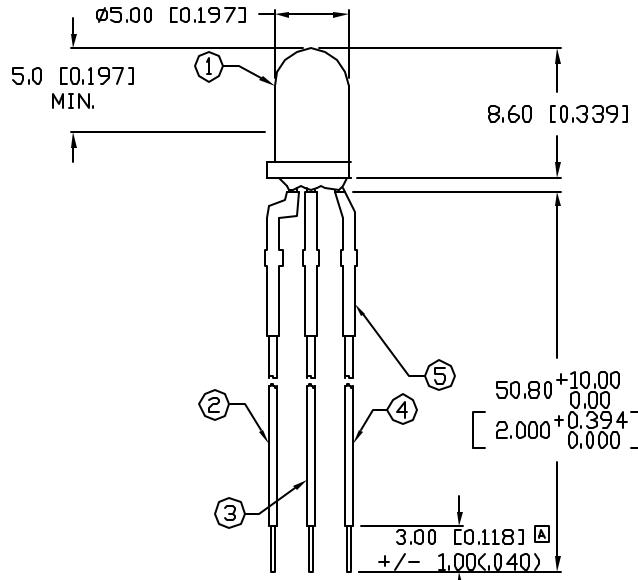
PART NUMBER

SSI-LX5099IGWCA-50

REV.

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



A NOTES:

1. SSL-LX5099IGW-CA, BICOLOR LED.
2. RED CATHODE LEAD: LXP-WST24RTOC, RED INSULATION, CUT 48mm LONG, STRIP 3mm BOTH ENDS.
3. COMMON ANODE: LXP-WST24BLTOC, BLACK INSULATION, CUT 48mm LONG, STRIP 3mm BOTH ENDS.
4. GREEN CATHODE LEAD: LXP-WST24CRTOC, 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.

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	$I_r=100\mu\text{A}$
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°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

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

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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (± 0.039), XX=±0.5 (± 0.020), XXX=±0.25 (± 0.010), XXXX=±0.127 (± 0.005), LEAD SIZE=±0.05 (± 0.002), LEAD LENGTH=±0.75 (± 0.030), MIN= $^{+0.00}_{-0.00}$ MAX= $^{+0.00}_{-0.00}$ DECIMAL PRECISION

REV.	PART NUMBER	CONFIDENTIAL INFORMATION	LUMEX	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 5.21.02
B	SSI-LX5099IGWCA-50	THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.		290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.tw	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.	CT	PAGE: 1 OF 1 SCALE: N/A
T-1 (T-1 3/4) BICOLOR 635nm RED/565nm GREEN LED, MILKY WHITE DIFFUSED LENS WITH 2" WIRE LEADS.							

Mouser Electronics

Authorized Distributor

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