

DATE	REVISIONS	REV	DRAWING NUMBER SSI-LX5093LGD-150		REV
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5.9 (.232)

5.0 (.197)

1.0 (.039) 8.6 (.339)

152 (6.0)

1 2 3 4 5

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		nm	
FORWARD VOLTAGE		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		20		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE	1.0	80		mcd	$I_f = 2\text{mA}$
EMITTED COLOR	GREEN			2x theta	
EPOXY LENS FINISH	GREEN	DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP	-40 TO +85	$^{\circ}\text{C}$

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

NOTES:

1. CRIMP LEAD WIRES TO CUT LED LEADS.
2. HEAT SHRINK INSULATION, $1/16^{\circ}$ X 13mm (2 PIECES).
3. ANODE: LXP-WST24RDT0C, CUT AT 155mm, STRIP 3mm & 9.5mm.
4. CATHODE: LXP-WST24BLT0C, CUT AT 155mm, STRIP 3mm & 9.5mm.
5. SSL-LX5093LGD LED, CUT LEADS AT 5mm.

UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm .25\text{mm}$ ($\pm 0.010^{\circ}$)

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DATE: 6-27-97	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-5mm (T-1 3/4) LED, GREEN DIFFUSED
WITH 6" WIRE LEADS, LOW CURRENT SELECTION

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Mouser Electronics

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