

UNCONTROLLED DOCUMENT

SC:0.50

PART NUMBER

REV.

SSI-LX5093GD-41080

A

REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE

A E.C.N. #11427

7.09.07

UNDER REVISION

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		2.2	2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		30		med	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	GREEN				
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	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

NOTES:

- SSI-LX5093GD LED. (UNCUT LEADS)
- ANODE LEAD: LXP-WST24RDT0C, 24 AWG. STRANDED, RED INSULATION, CUT TO 35mm LONG, STRIP ENDS 3mm AND 9.5mm.
- CATHODE LEAD: LXP-WST24BLT0C, 24 AWG. STRANDED, BLACK INSULATION, CUT TO 35mm LONG, STRIP ENDS 3mm AND 9.5mm.
- CRIMP LEAD WIRES TO LED LEADS.
- HEAT SHRINK INSULATION, 1/16" x 13mm (2 PIECES).



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

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SSI-LX5093GD-41080

T-5mm (T- 1 3/4) LED, 565nm GREEN LED,
GREEN DIFFUSED LENS.

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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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JN

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SCALE: N/A

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