



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

REV.	PART NUMBER
E	SSI-LXMP059GD-150
565nm GREEN RECTANGULAR LED PANEL INDICATOR, GREEN DIFFUSED LENS, 6" WIRE LEADS.	

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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.

PART NUMBER

SSI-LXMP059GD-150

REV.

E

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN.	3.24.92
B	ADDED LLEAD LENGTH, UPDATED NOTES.	8.17.92
C	REDRAWN.	12.15.94
D	E.C.N. #10122.	6.28.96
E	E.C.N. #10BRDR. & REDRAWN IN 3D.	1.7.02

## ELECTRO-OPTICAL CHARACTERISTICS TA=25°C If= 20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.2	2.6	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100 $\mu$ A
AXIAL INTENSITY		10		mod	If= 20mA
VIEWING ANGLE		110		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/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

\* t<10 $\mu$ s

## NOTES:

1. SSL-LX2573GD, GREEN LED, TRIM LEADS TO 3~4mm LONG.
2. SSH-LXMP059-HSG, BLACK HOLDER.
3. SSH-LXMP059-BSG2, BUSHING.
4. ANODE LEAD: LXP-WST24RDT0C, RED INSULATED, 24 AWG., CUT 155mm, STRIP 3mm & 9.5mm.
5. CATHODE LEAD: LXP-WST24BLTOC, BLACK INSULATED, 24 AWG., CUT 155mm, STRIP 3mm & 9.5mm.
6. CRIMP OR SOLDER LEAD WIRES TO LED AND ASSEMBLE INTO HOUSING.



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