



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ C$			$I_f = 20mA$			
PARAMETER	MIN	TYP	MAX	UNITS	TEST	COND
PEAK WAVELENGTH		636		nm		
FORWARD VOLTAGE		2.0	2.5	V <sub>f</sub>		
REVERSE VOLTAGE	5.0			V <sub>r</sub>	$I_r = 100\mu A$	
AXIAL INTENSITY		80		mcd	$I_f = 20mA$	
VIEWING ANGLE		110		2x theta		
EMITTED COLOR:	RED					
EPOXY LENS FINISH:	RED DIFFUSED					

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

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

1. SSL-LX2573SID, RED LED, TRIM LEADS TO 3~4mm LONG.
2. SSH-LXMP059-HSG, BLACK HOLDER.
3. SSH-LXMP059-BSC2, 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

UNCONTROLLED DOCUMENT

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

REV.	PART NUMBER SSI-LXMP059SID-150	CONFIDENTIAL INFORMATION 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.com.tw
	636nm AlInGaP RED RECTANGULAR LED PANEL INDICATOR, RED DIFFUSED LENS, 6" WIRE LEADS.	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.	DRAWN BY: BC	CHECKED BY: APPROVED BY: DATE: 1.7.02 PAGE: 1 OF 1 SCALE: N/A