



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		700		nm	
FORWARD VOLTAGE		2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		10		mcd	$I_f = 20 \text{ mA}$
VIEWING ANGLE		80		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	25	mA
POWER DISSIPATION	120	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:

1. SSL-LX509F3HD, RED LED.
2. SSH-LXH804 BLACK HOLDER.
3. ANODE LEAD: LXP-WST24RDT0C, RED INSULATED LEAD, 24 AWG. CUT 155mm, STRIP 3mm & 9.5mm.
4. CATHODE LEAD: LXP-WST24BLT0C, BLACK INSULATED LEAD, 24 AWG. CUT 155mm, STRIP 3mm & 9.5mm.
5. STAKE LED IN HOLDER.



*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= ^{+DECIMAL PRECISION} -0.00 MAX= ^{+0.00} -DECIMAL PRECISION

REV.

PART NUMBER

SSI-LXH604HD-150

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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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T-5mm PANEL INDICATOR,
700nm RED LED, RED DIFFUSED LENS,
WITH 6" WIRE LEADS.

DRAWN BY:

JN

CHECKED BY:

APPROVED BY:

DATE: 03.20.08

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SCALE: N/A

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