



ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $V_f=5\text{ V}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		5.0	7.0	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY		20		mcd	$V_f=5\text{ V}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$

PARAMETER	MAX	UNITS
PEAK FORWARD VOLTAGE	7.5	V
STEADY CURRENT	12	mA
POWER DISSIPATION	310	mW
DERATE FROM $25^{\circ}\text{C}$	-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

NOTES:

- SSH-LXH3121 HOLDER, BLACK NYLON 94-V0.
- SSL-LX3044GD-5V LED, LEADS CUT TO 5mm.
- ANODE LEAD: LXP-WST26RDT08, RED INSULATED LEAD, 26 AWG, CUT 360mm LONG, STRIP 3.0mm BOTH ENDS.
- CATHODE LEAD: LXP-WST26BLT08, BLACK INSULATED LEAD, 26 AWG, CUT 360mm LONG, STRIP 3.0mm BOTH ENDS.
- MOUNTING HOLE:  $\phi 0.170-\phi 0.174$ ".

\*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= <sup>+DECIMAL PRECISION</sup> -0.00 <sup>MAX.= +0.00</sup> -DECIMAL PRECISION

REV.

PART NUMBER

SSI-LXH312GD5V-360

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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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DATE: 9.27.00

T-3mm (T-1) 565nm GREEN LED PANEL INDICATOR,  
GREEN DIFFUSED LENS, 5 VOLTS, WITH 14" WIRE LEADS.

BC

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SCALE: N/A

# Mouser Electronics

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