

DATE	REVISIONS	REV	DRAWING NUMBER SSB-LX11GC	REV
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4.0

0.95

LED CHIP

8.0 (.315) MAX

0.38

2.42

1.55

1.9

1.1

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 VOLTS (V/G)		4.2	5.5	V_f	
REVERSE VOLTS @100uA	10			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY (TYP)		4.0		mcd	$I_F=10\text{mA}$
EMITTER COLOR		GREEN			
EPOXY LENS FINISH		GREEN CLEAR			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
CONTINUOUS FORWARD CURRENT	30	mA
POWER DISSIPATION	80	mW
DERATE FROM 25°C	-0.25	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP	-25 TO +70	$^{\circ}\text{C}$
LEAD SOLDERING TEMP	+260	$^{\circ}\text{C}$
1.6mm FROM BODY		5 SEC. MAX

292 E. HELLEN ROAD

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LUMEX

OPTO COMPONENTS INC.

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DATE: 2-2-94	DWN:	CHK'D:	APPD:
SCALE: N/A			

1 CHIP LCS ILLUMINATOR, GREEN CLEAR

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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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