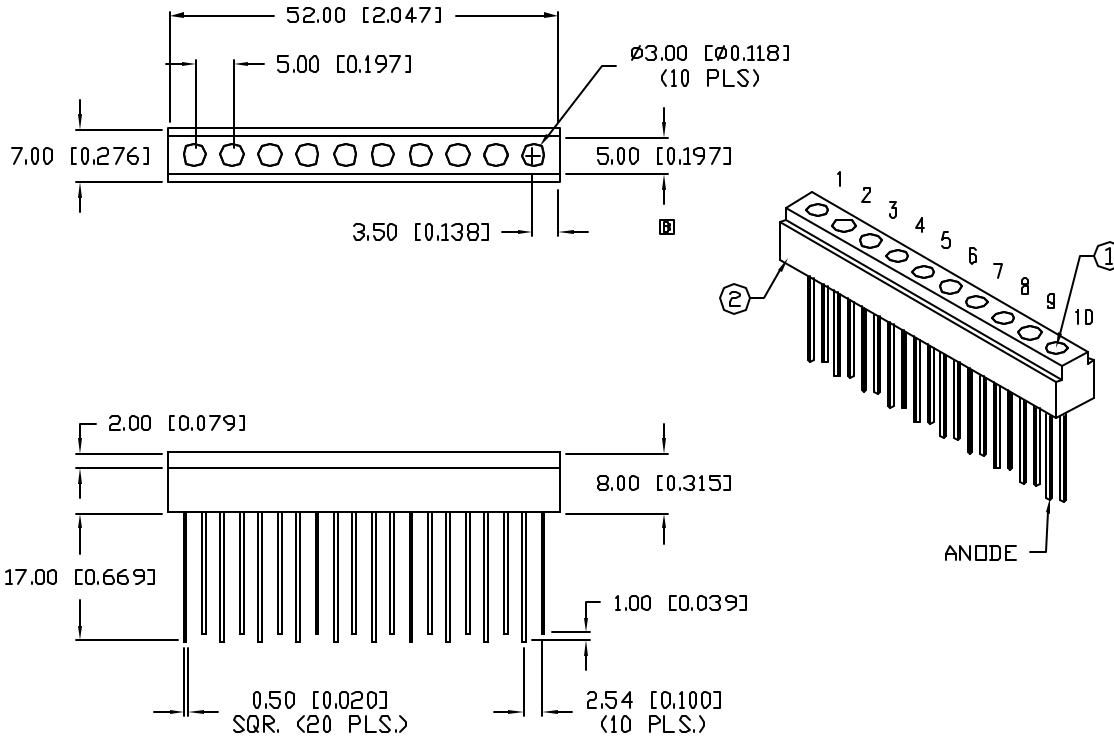


UNCONTROLLED DOCUMENT

PART NUMBER  
SSA-LXB102G6H4D

REV.  
C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	SAFE OPER. SPECS & DWG. NAME.	8.23.94
B	UPDATED SPECS, ADDED NOTES.	11.17.94
C	E.C.N. #10BRDR. & REDRAWN.	12.25.01



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

PARAMETER	GREEN	RED	UNITS	TEST COND
PEAK WAVELENGTH	565	700	nm	
FORWARD VOLTAGE (TYP.)	2.2	2.1	$V_f$	
FORWARD VOLTAGE (MAX.)	2.5	2.5	$V_f$	
REVERSE VOLTAGE	5.0	5.0	$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY	10	10	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	80	80	2x theta	
LED POSITION:	1~6	7~10		
EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR				

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

PARAMETER	COLORS	MAX	UNITS
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(G/R)	25/30	mA
<input checked="" type="checkbox"/> POWER DISSIPATION		105	mW
DERATE FROM $25^\circ\text{C}$		-1.2	mW/ $^\circ\text{C}$
<input checked="" type="checkbox"/> OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
<input checked="" type="checkbox"/> 2.0mm FROM BODY			3 SEC. MAX

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

NOTES:

1. SSL-LX30FT14GD, GREEN LED. (6 PCS.)  
SSL-LX30FT14HD, RED LED. (4 PCS.)
2. SSH-LXH102, BLACK HOLDER.
3. USE U.V. GLUE TO HOLD LEDS IN PLACE.
4. LEADS TO BE FREE OF GLUE.

UNCONTROLLED DOCUMENT

\*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. C PART NUMBER SSA-LXB102G6H4D

T-3mm 10 LED FLAT TOP ARRAY,  
565 GREEN, 700nm RED LEDS, COLOR DIFFUSED.

**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.

**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.



290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
US WEB: www.lumex.com  
TW WEB: www.lumex.com.tw

DRAWN BY: CT CHECKED BY: APPROVED BY: DATE: 9.18.91  
PAGE: 1 OF 1  
SCALE: N/A