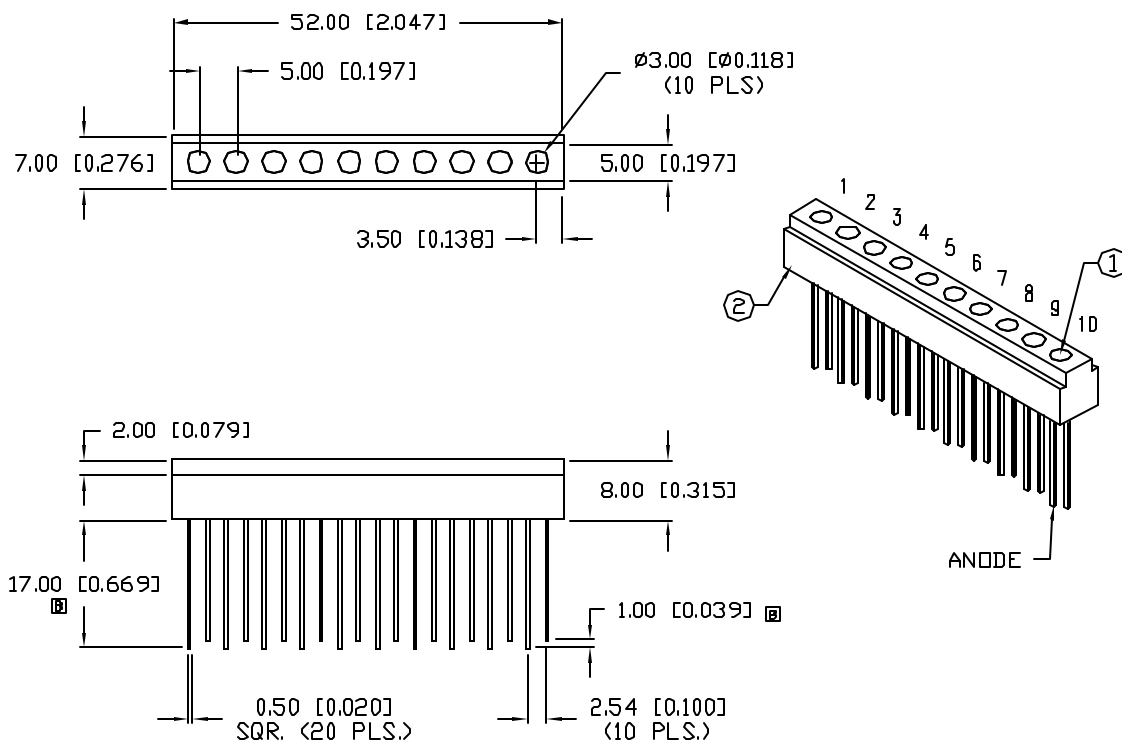


UNCONTROLLED DOCUMENT



PART NUMBER		REV.
SSA-LXB102-2H8GD		E
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN.	2.18.92
B	UPDATED SPECS, ADDED NOTES.	5.26.93
C	DIMS. & SPECS CORRECTED, ADDED NOTES.	8.23.94
D	E.C.N. #10BRDR. & REDRAWN.	11.17.97
E	E.C.N. #10BRDR. & REDRAWN.	12.25.01

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

PARAMETER	RED	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	700	565	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.2	V_f	
FORWARD VOLTAGE (MAX.)	2.5	2.6	V_f	
REVERSE VOLTAGE	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	10	8	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	80	80	2x theta	
LED POSITION:	1~2	3~10		
EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR				

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(G/R)	25/30	mA
POWER DISSIPATION	(G/R)	100/105	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-LX30FT14GD, GREEN LED. (8 PCS.)
SSL-LX30FT14HD, RED LED. (2 PCS.)
2. SSH-LXH102, BLACK HOLDER.
3. USE U.V. GLUE TO HOLD LEADS 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 MAX.= +0.00 -DECIMAL PRECISION

REV.
EPART NUMBER
SSA-LXB102-2H8GD

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

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

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 1.29.92

PAGE: 1 OF 1

SCALE: N/A

CT