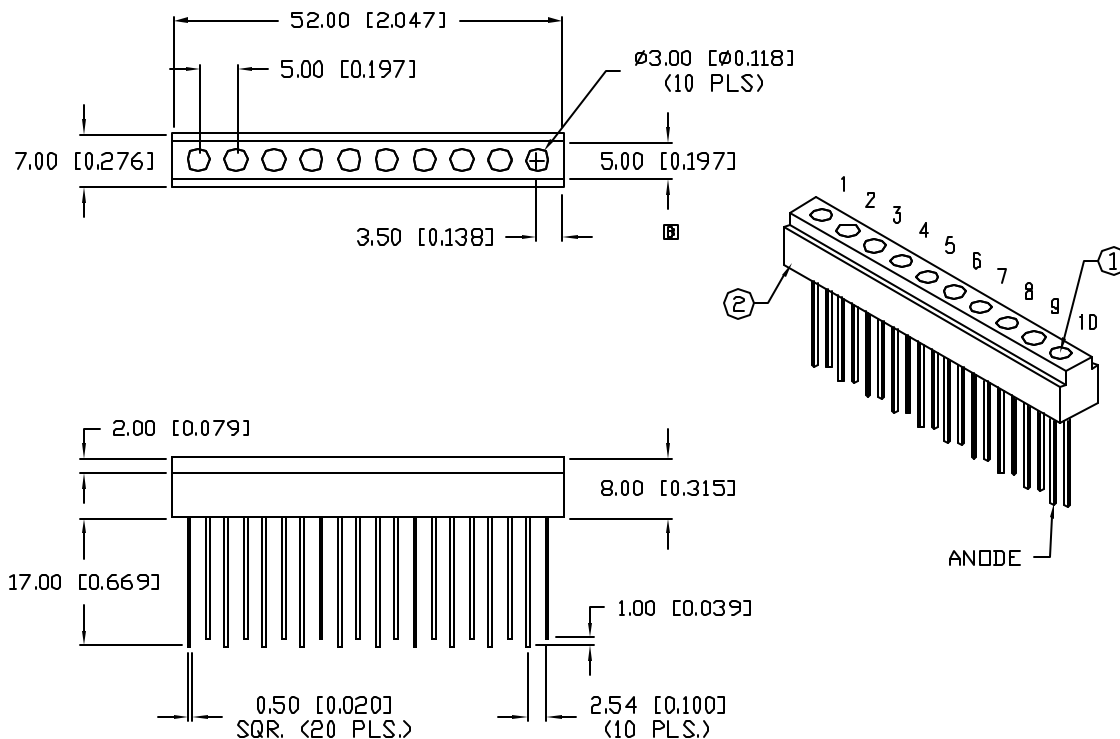


UNCONTROLLED DOCUMENT

PART NUMBER
SSA-LXB102-1YD9IDREV.
C

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$				
PARAMETER	YELLOW	RED	UNITS	TEST COND
PEAK WAVELENGTH	585	635	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	8	10	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	80	80	2x theta	
LED POSITION:	1	9~10		
EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR				

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	COLORS	MAX	UNITS
① PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT		30	mA
② POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/ $^\circ\text{C}$
③ OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
④ 2.0mm FROM BODY			3 SEC. MAX

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

NOTES:

1. SSL-LX30FT14YD, YELLOW LED. (1 PCS.)
SSL-LX30FT14RD, RED LED. (9 PCS.)
- ② 2. SSH-LXH102, BLACK HOLDER.
- ③ 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.
CPART NUMBER
SSA-LXB102-1YD9IDT-3mm 10 LED FLAT TOP ARRAY,
585nm YELLOW, 635nm 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:

CHECKED BY:

APPROVED BY:

DATE: 9.17.92

PAGE: 1 OF 1

SCALE: N/A

CT