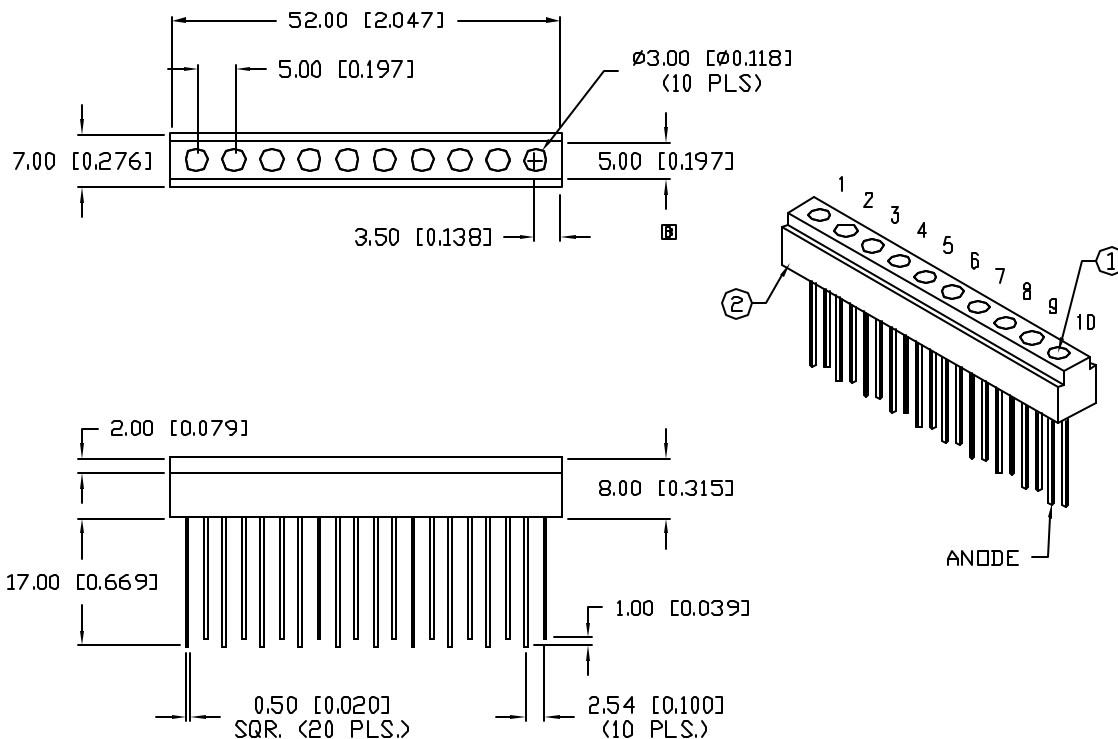


UNCONTROLLED DOCUMENT

PART NUMBER
SSA-LXB102-1YT9IDREV.
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	20	10	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	80	80	2θ	
LED POSITION:	1	9~10		
EPOXY LENS FINISH: POS.1: YELLOW TRANSPARENT. POS.2~10: RED DIFFUSED				

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

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

NOTES:

1. SSL-LX30FT14YT, YELLOW LED. (1 PCS.)
SSL-LX30FT14ID, RED LED. (9 PCS.)
- ② 2. SSH-LXH102, BLACK HOLDER.
- ② 3. USE U.V. GLUE TO HOLD LEADS IN PLACE.
4. LEADS TO BE FREE OF GLUE.

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*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-LXB102-1YT9ID

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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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T-3mm 10 LED FLAT TOP ARRAY,
585nm YELLOW TRANSPARENT LED, 635 RED DIFFUSED LED.

DRAWN BY: CT	CHECKED BY:	APPROVED BY:	DATE: 9.17.92
			PAGE: 1 OF 1
			SCALE: N/A