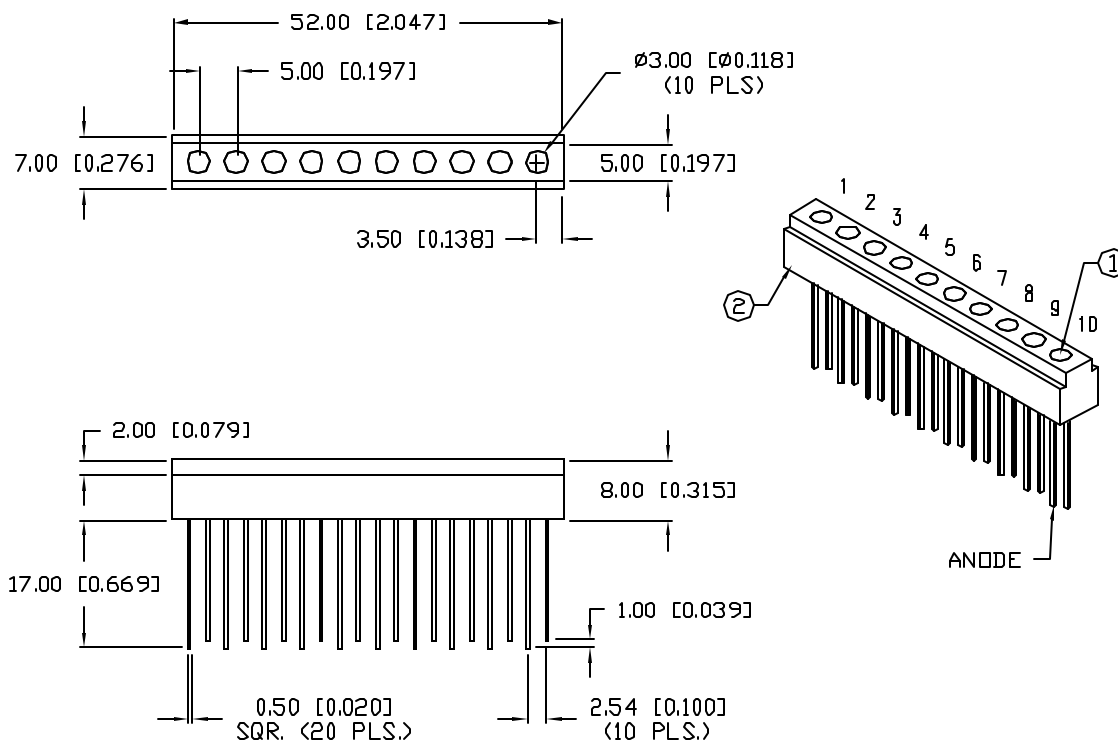


UNCONTROLLED DOCUMENT

PART NUMBER
SSA-LXB102-I2Y8DREV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN.	5.23.01

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

PARAMETER	RED	YELLOW	UNITS	TEST COND
PEAK WAVELENGTH	635	585	nm	
FORWARD VOLTAGE (TYP.)	2.1	2.3	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	8	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		30	mA
POWER DISSIPATION		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-LX30FT14ID, RED LED. (2 PCS.)
SSL-LX30FT14YD, YELLOW LED. (8 PCS.)
2. SSH-LXH102, BLACK HOLDER.
3. USE U.V. GLUE TO HOLD LEDS 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.
APART NUMBER
SSA-LXB102-I2Y8DT-3mm 10 LED FLAT TOP ARRAY,
635nm RED/585nm YELLOW LEDS, COLOR DIFFUSED.

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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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