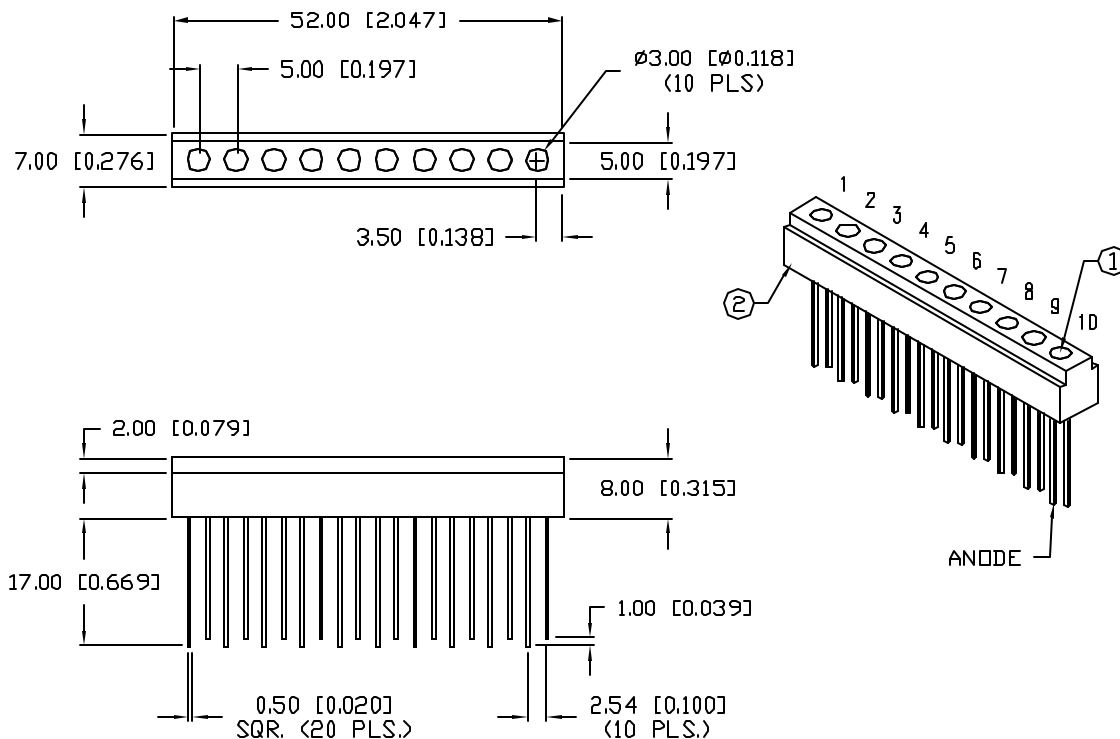


UNCONTROLLED DOCUMENT

PART NUMBER
SSA-LXB102YDREV.
B

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

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585		nm	
FORWARD VOLTAGE		2.1	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		8		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		80		2θ	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	YELLOW DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	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-LX30FT14YD, YELLOW LED. (10 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: $X=\pm 1$ (± 0.039), $XX=\pm 0.5$ (± 0.020), $XXX=\pm 0.25$ (± 0.010), $XXXX=\pm 0.127$ (± 0.005). LEAD SIZE $=\pm 0.05$ (± 0.002), LEAD LENGTH $=\pm 0.75$ (± 0.030). MIN = +DECIMAL PRECISION -0.00 MAX = +0.00 -DECIMAL PRECISIONREV.
BPART NUMBER
SSA-LXB102YDT-3mm 10 LED FLAT TOP ARRAY,
585nm YELLOW LEDS, YELLOW DIFFUSED LENS.

CONFIDENTIAL INFORMATION
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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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