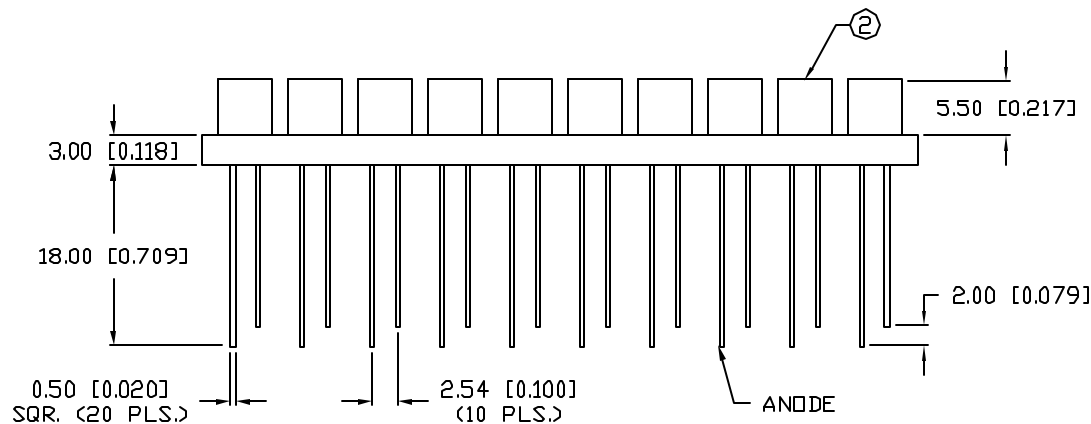


PART NUMBER
SSA-LXB101USB

Figure 1: Dimensions of the test specimen. The diagram shows a rectangular specimen with various dimensions and a sequence of 10 numbered points along its top edge. The total length is 71.50 [2.815]. The height is 6.00 [0.236]. The width is 1.50 [0.059]. The distance from the left edge to the first point is 1.50 [0.059]. The distance between points 1 and 5 is 5.50 [0.217] (10 PLS.). The distance between points 5 and 10 is 7.00 [0.276] (9 PLS.). The distance from the last point to the right edge is 2.00 [0.079]. A circled number 1 is shown at the bottom right corner.



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$			$I_f=20\text{mA}$		
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		470		nm	
FORWARD VOLTAGE		3.5	4.0	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		60		med	$I_f=20\text{mA}$
VIEWING ANGLE		110		2x theta	
EMITTED COLOR:	BLUE				
EPOXY LENS FINISH:	BLUE DIFFUSED				

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	98	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

- SSH-LXB101 HOLDER, BLACK.
- SSL-LX2583USB0, LED. (10 PCS.)

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 {±0.039}, X.X=±0.5 {±0.020}, X.XX=±0.25 {±0.010}, X.XXX=±0.127 {±0.005}. LEAD SIZE=±0.05 {±0.002}, LEAD LENGTH=±0.75 {±0.030}. MIN.=+DECIMAL PRECISION
-0.00 -DECIMAL PRECISION MAX.=+0.00
-0.00

PART NUMBER
SSA-LXB101USBD

LED ARRAY, 10 UNIT 2mm x 5mm RECTANGULAR LEDS,
470nm ULTRA SUPER BLUE LEDS. BLUE DIFFUSED LENS.

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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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

DATE: 6.6.01

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SCALE: N/A