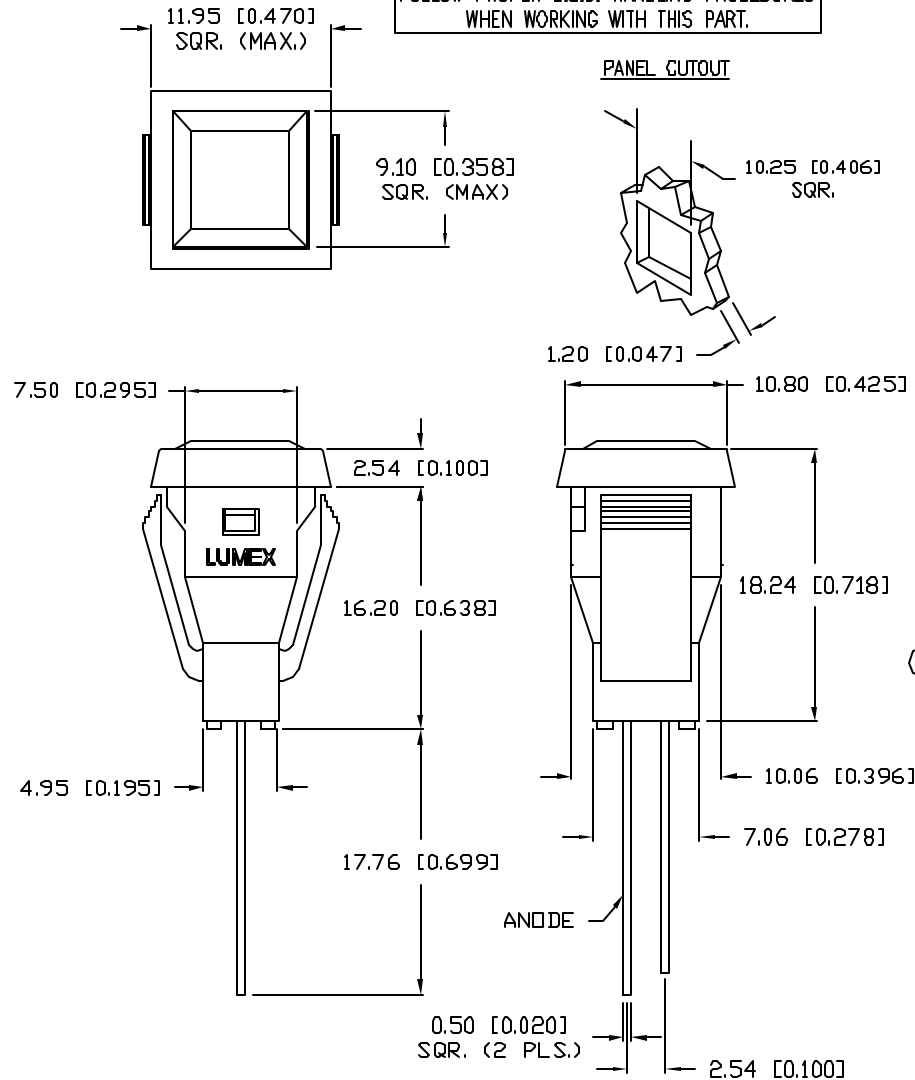


UNCONTROLLED DOCUMENT

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.



PART NUMBER			REV.
SSI-LXMP5011SBC			A
REV.	E.C.N. NUMBER AND REVISION COMMENTS		DATE
A	E.C.N. #10808. & REDRAWN IN 3D.		11.2.01

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		430		nm	
FORWARD VOLTAGE		4.5	5.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		15		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		$2\times\theta$	
EMITTED COLOR:	BLUE				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	200	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-2.0	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-LX4073SBD/A, BLUE LED.
2. SSH-LXMP5011, BLACK HOLDER.
3. LXP-LXN5011C, WATER CLEAR LENS.
4. UV ADHESIVE, 2 PLS.
5. 'LUMEX' ON FRONT OR ANODE SIDE OF THE PART.

UNCONTROLLED DOCUMENT

*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=+0.00 DECIMAL PRECISION MAX=+0.00 DECIMAL PRECISION

REV.

A

PART NUMBER

SSI-LXMP5011SBC

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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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DATE: 7.1.99

PAGE: 1 OF 1

SCALE: N/A

12mm SQUARE PANEL INDICATOR WITH LENS,
430nm SUPER BLUE LED, WATER CLEAR LENS.

Mouser Electronics

Authorized Distributor

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