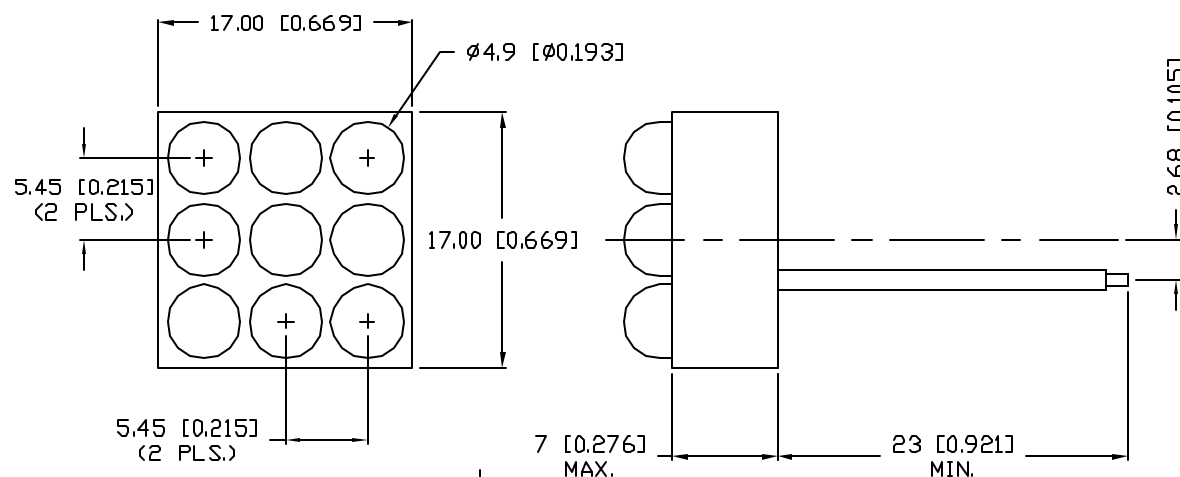


UNCONTROLLED DOCUMENT

PART NUMBER  
SSP-LXS0672UP9REV.  
A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE   |
|------|-------------------------------------|--------|
| A    | E.C.N. #10726. & #10BRDR.           | 4.5.01 |

A ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=60\text{mA}$ 

| PARAMETER          | MIN              | TYP  | MAX  | UNITS    | TEST COND            |
|--------------------|------------------|------|------|----------|----------------------|
| PEAK WAVELENGTH    |                  | 525  |      | nm       |                      |
| FORWARD VOLTAGE    |                  | 10.5 | 12.0 | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0              |      |      | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY *  |                  | 4000 |      | mcd      | $I_f=90\text{mA}$    |
| VIEWING ANGLE      |                  | 45   |      | 2x theta |                      |
| EMITTED COLOR:     | ULTRA PURE GREEN |      |      |          |                      |
| EPOXY LENS FINISH: | WATER CLEAR      |      |      |          |                      |

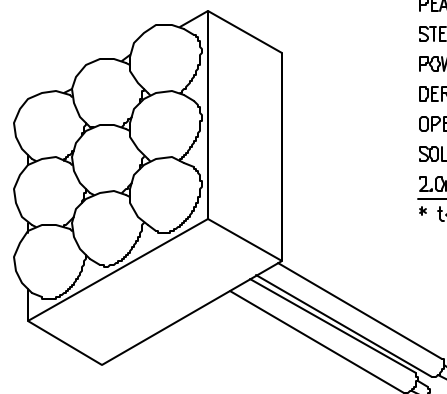
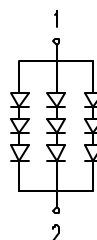
\* INTENSITY PER DIE.

A LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$  PER DIE

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT*          | 100        | mA                   |
| STEADY CURRENT                 | 30         | mA                   |
| POWER DISSIPATION              | 15         | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.0       | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.       | -30 TO +70 | $^\circ\text{C}$     |
| SOLDERING TEMP.                | +260       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                | 3 SEC. MAX |                      |

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

PIN OUT



CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.  
ESD CLASSIFICATION: CLASS II BASED ON MIL-STD 883E.

UNCONTROLLED DOCUMENT

REPLACES PART #: SSP-LXS0672UP9A

\*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.

A

PART NUMBER

SSP-LXS0672UP9

0.67" SQUARE, 9 LAMP POLYLED,

525nm InGaN/SiC GREEN LEDS, WATER CLEAR 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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PAGE: 1 OF 1