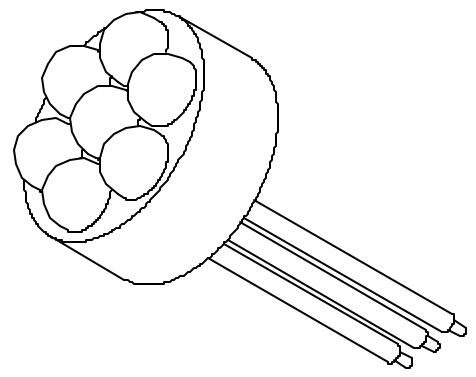
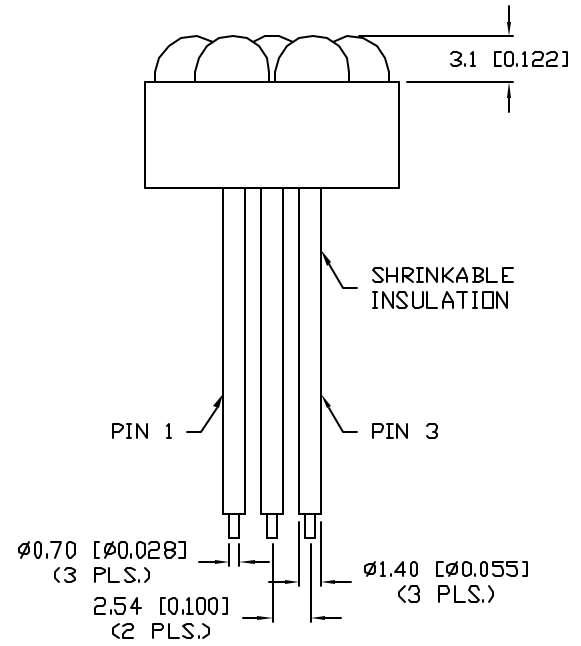
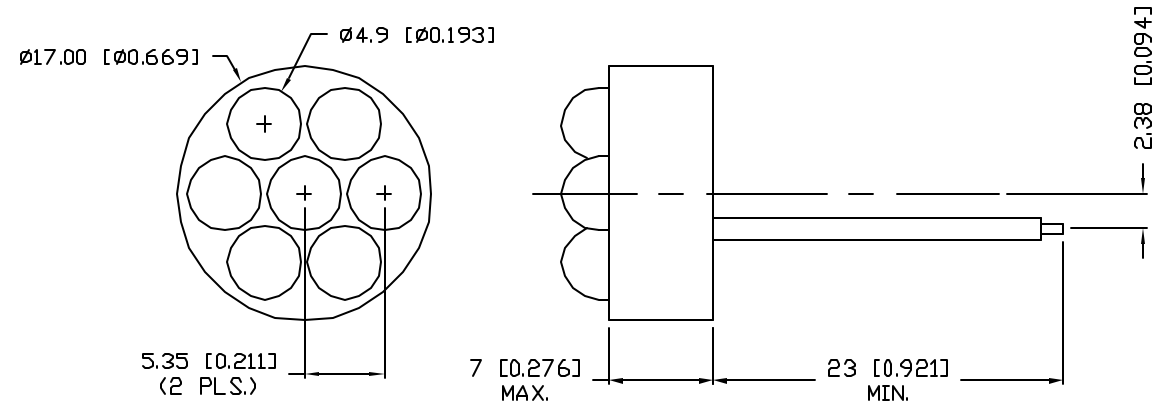


UNCONTROLLED DOCUMENT

PART NUMBER
SSP-LXC0673S7A

REV.



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20/40\text{mA}$

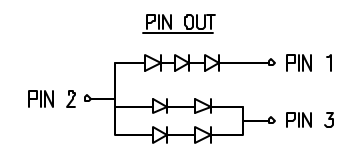
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|--------------|---------|---------|----------------|-----------------------------|
| PEAK WAVELENGTH | | 590 | | nm | |
| FORWARD VOLTAGE** | | 6.3/4.2 | 7.5/5.0 | V _f | |
| REVERSE VOLTAGE | 5.0 | | | V _r | I _r =100 μ A |
| AXIAL INTENSITY * | | 1200 | | mcd | I _f =20/40mA |
| VIEWING ANGLE | | 30 | | 2x theta | |
| EMITTED COLOR: | SUPER YELLOW | | | | |
| EPOXY LENS FINISH: | WATER CLEAR | | | | |

* INTENSITY PER DIE.
**VOLTAGE FOR PIN 1/PIN 3

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/°C |
| OPERATING, STORAGE TEMP. | -30 TO +70 | °C |
| SOLDERING TEMP. | +260 | °C |
| 2.0mm FROM BODY | | 3 SEC. MAX |

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



UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), 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 MAX=-DECIMAL PRECISION

REV. PART NUMBER
SSP-LXC0673S7A

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF SUNBRITE LEDS. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY SUNBRITE LEDS, THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.



286 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.2867
WEB: www.sunbriteleds.com

0.67" CIRCULAR, 7 LED CLUSTER,
590nm AlInGaP YELLOW LEDS, WATER CLEAR LENS.

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.

| | | | |
|--------------|----------|-----------|-------------------------------|
| DRAWN: BC | CHECKED: | APPROVED: | DATE: 1.14.00 PAGE: 1 OF 1 |
|--------------|----------|-----------|-------------------------------|