

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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------------|-----------------------|----------|---------|----------|----------------------|
| PEAK WAVELENGTH | | 660 (R) | | nm | |
| | | 565 (G) | | nm | |
| FORWARD VOLTAGE * (R/G) | | 5.4/4.4 | 6.9/5.2 | V_f | |
| REVERSE VOLTAGE (R/G) | 4.0/5.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY ** (R/G) | | 2000/300 | | mcd | $I_f=20/40\text{mA}$ |
| VIEWING ANGLE | | 30 | | 2x theta | |
| EMITTED COLOR: | SUPER RED/SUPER GREEN | | | | |
| EPOXY LENS FINISH: | WATER CLEAR | | | | |

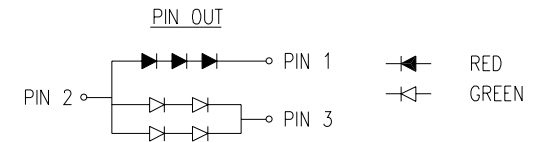
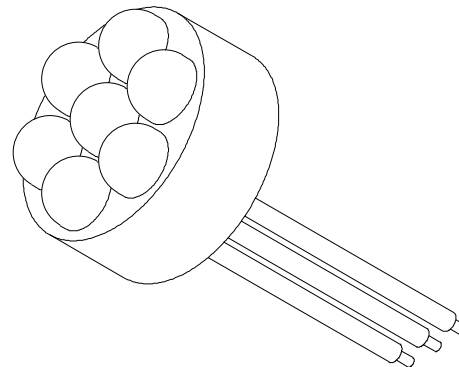
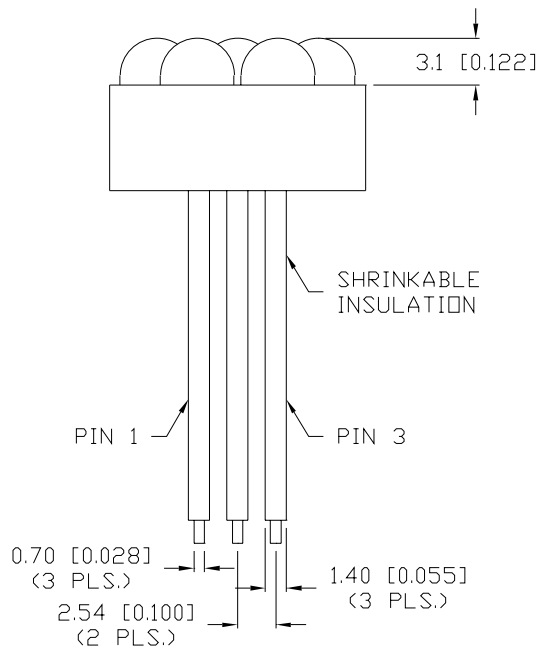
* VOLTAGE FOR: PIN 1/PIN 3

** INTENSITY PER DIE. TEST CONDITION: CURRENT FOR PIN 1/PIN 3

LIMITS OF SAFE OPERATION AT 25°C PER DIE

| PARAMETER | COLORS | MAX | UNITS |
|--------------------------|--------|------------|------------|
| PEAK FORWARD CURRENT* | | 150 | mA |
| STEADY CURRENT | (R/G) | 30/25 | mA |
| POWER DISSIPATION | | 105 | mW |
| DERATE FROM 25°C | | -1.6 | mW/°C |
| OPERATING, STORAGE TEMP. | | -30 TO +70 | °C |
| SOLDERING TEMP. | | +260 | °C |
| 2.0mm FROM BODY | | | 3 SEC. MAX |

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



REPLACES PART #: SSP-LXC06462S7A

*TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010). LEAD LENGTH=±0.75 (±0.030), MIN.= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER
SSP-LXC06762S7A

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0.67" CIRCULAR, 7 LED CLUSTER, DUAL CLUSTER,
660nm SUPER RED LEDS, 565nm SUPER GREEN LEDS,
WATER CLEAR LENS, COMMON ANODE.

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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|-----------------|-------------|--------------|---------------|
| DRAWN BY: BC | CHECKED BY: | APPROVED BY: | DATE: 1-14-00 |
| | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |