

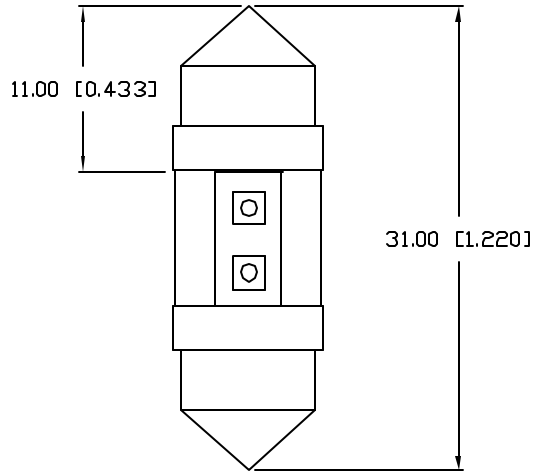
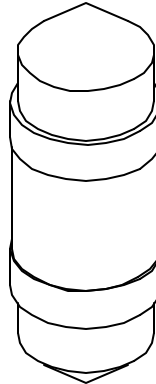
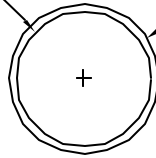
UNCONTROLLED DOCUMENT

PART NUMBER  
SSP-02TFS912

REV.

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

∅9.00 [∅0.354]      ∅10.00 [∅0.394]



ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$        $V_f=12\text{V}$

| PARAMETER          | MIN              | TYP  | MAX  | UNITS    | TEST COND            |
|--------------------|------------------|------|------|----------|----------------------|
| PEAK WAVELENGTH    |                  |      |      | nm       |                      |
| FORWARD VOLTAGE    |                  | 12.0 | 14.0 | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0              |      |      | $V_r$    | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY    |                  | 5500 |      | mcd      | $V_f=12\text{V}$     |
| VIEWING ANGLE      |                  | 60   |      | 2x theta |                      |
| EMITTED COLOR:     | ULTRA WHITE      |      |      |          |                      |
| EPOXY LENS FINISH: | WATER CLEAR LENS |      |      |          |                      |

LIMITS OF SAFE OPERATION AT 25°C PER MODULE

| PARAMETER                | MAX        | UNITS |
|--------------------------|------------|-------|
| PEAK FORWARD VOLTAGE     | 14         | V     |
| STEADY CURRENT           | 30         | mA    |
| POWER DISSIPATION        | 105        | mW    |
| DERATE FROM 25°C         | -1.2       | mW/°C |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C    |

\*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=  $\frac{+0.00}{-0.00}$  DECIMAL PRECISION MAX=  $\frac{+0.00}{-0.00}$  DECIMAL PRECISION

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RELIABILITY NOTE

DUR 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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LED FESTOON LAMP, WHITE.

DRAWN:

BC

CHECKED:

APPROVED:

DATE: 5.8.02

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