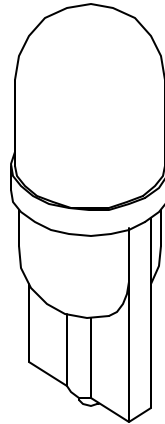
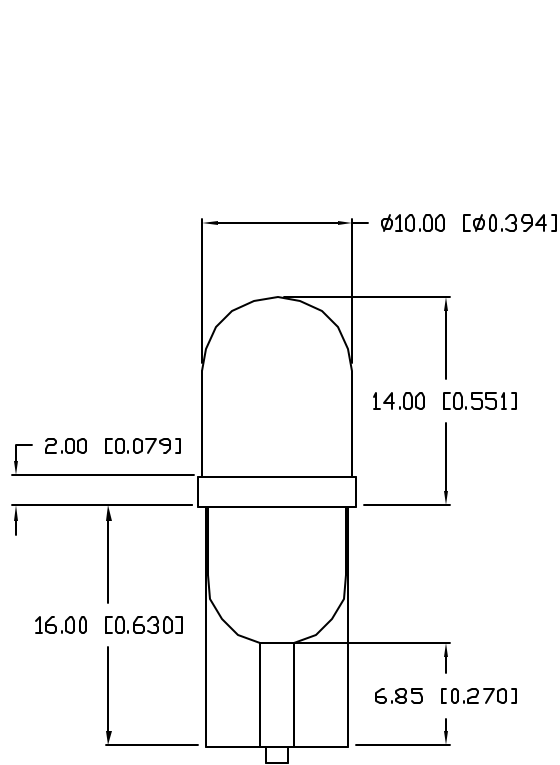


UNCONTROLLED DOCUMENT

PART NUMBER
SSP-01TWB2UPW12

REV.
B

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|-------------------------------------|----------|
| A | E.C.N. #10897. | 7.30.02 |
| B | E.C.N. #11148 | 11.16.06 |



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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|----------------------|------|------|----------|----------------------|
| PEAK WAVELENGTH | | 525 | | nm | |
| FORWARD VOLTAGE | | 12 | 14.0 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 2800 | | mcd | $V_f=12\text{V}$ |
| VIEWING ANGLE | | 60 | | 2x theta | |
| EMITTED COLOR: | ULTRA GREEN | | | | |
| EPOXY LENS FINISH: | MILKY WHITE DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C PER DIE

| PARAMETER | MAX | UNITS |
|--------------------------------|------------|----------------------|
| PEAK FORWARD VOLTAGE | 14 | V |
| STEADY CURRENT | 20 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 25°C | -1.2 | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP. | -40 TO +85 | $^\circ\text{C}$ |

B



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*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}/_{-0.00} DECIMAL PRECISION MAX= ^{+0.00}/_{-0.00} DECIMAL PRECISION

REV. B PART NUMBER SSP-01TWB2UPW12

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LED MINIATURE WEDGE BASE, GREEN, MILKY WHITE DIFFUSED.

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.

DRAWN: JC CHECKED: APPROVED: DATE: 11.16.06
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