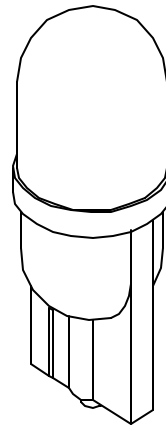
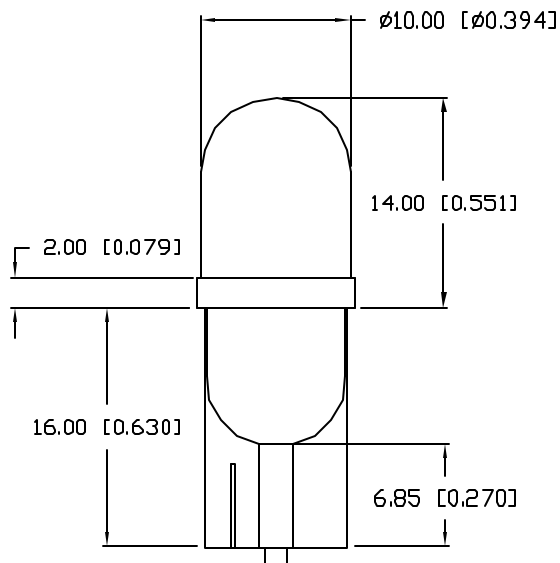


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CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.



PART NUMBER  
SSP-01TWB9W12

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    |                      |      |      | nm       |                      |
| FORWARD VOLTAGE    |                      | 12   | 14.0 | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0                  |      |      | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |                      | 3300 |      | mcd      | $V_f=12\text{V}$     |
| VIEWING ANGLE      |                      | 60   |      | 2x theta |                      |
| EMITTED COLOR:     | WHITE                |      |      |          |                      |
| EPOXY LENS FINISH: | MILKY WHITE DIFFUSED |      |      |          |                      |

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

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

▣



\*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=+DECIMAL PRECISION MAX.=+0.00  
-0.00 -DECIMAL PRECISION

REV.

B

PART NUMBER

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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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LED MINIATURE WEDGE BASE, WHITE, MILKY WHITE DIFFUSED.

DRAWN:  
JC

CHECKED:

APPROVED:

DATE: 11.16.06  
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