

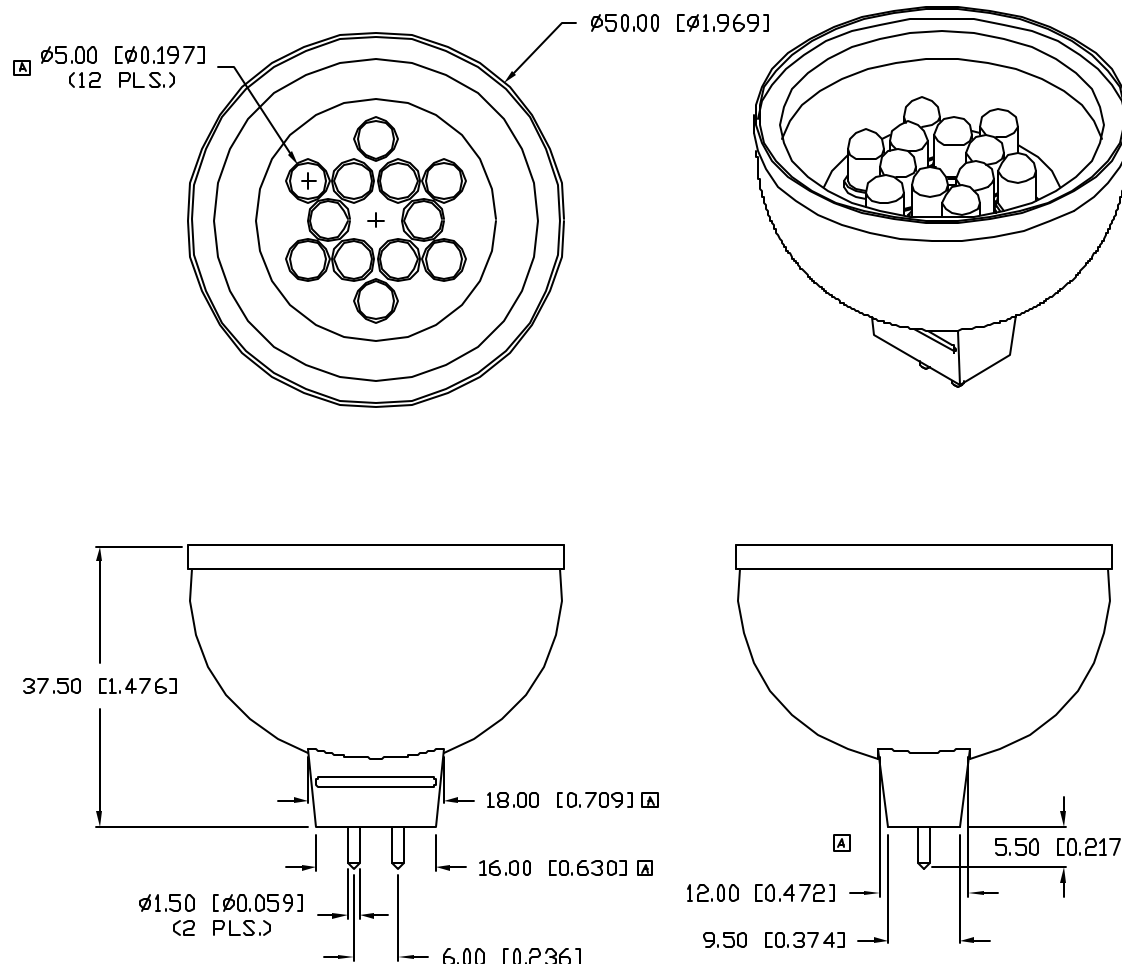
# UNCONTROLLED DOCUMENT

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

PART NUMBER  
SSP-11CR2UP12

REV.  
B

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #11066.                      | 12.19.03 |
| B    | E.C.N. #11148                       | 11.30.06 |



| 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                                                           |                  | 12.0 | 14.0 | $V_f$     |                  |
| FLUX                                                                      |                  | 12   |      | LM        | $V_f=12\text{V}$ |
| VIEWING ANGLE                                                             |                  | 60   |      | $2\theta$ |                  |
| EMITTED COLOR:                                                            | GREEN            |      |      |           |                  |
| EPOXY LENS FINISH:                                                        | WATER CLEAR LENS |      |      |           |                  |

| LIMITS OF SAFE OPERATION AT $25^{\circ}\text{C}$ PER MODULE |            |                        |
|-------------------------------------------------------------|------------|------------------------|
| PARAMETER                                                   | MAX        | UNITS                  |
| PEAK FORWARD VOLTAGE                                        | 14         | V                      |
| STEADY CURRENT                                              | 70         | mA                     |
| POWER DISSIPATION                                           | 105        | mW                     |
| DERATE FROM $25^{\circ}\text{C}$                            | -1.2       | mW/ $^{\circ}\text{C}$ |
| OPERATING, STORAGE TEMP.                                    | -40 TO +80 | $^{\circ}\text{C}$     |

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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

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LED MR16 LAMP, GREEN.

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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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PAGE: 1 OF 1