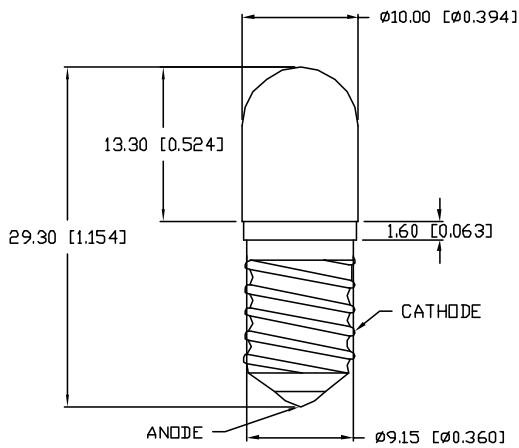


UNCONTROLLED DOCUMENT

PART NUMBER  
SSP-D29E10SIC-12V

REV.



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

| PARAMETER          | MIN         | TYP  | MAX | UNITS      | TEST COND            |
|--------------------|-------------|------|-----|------------|----------------------|
| PEAK WAVELENGTH    |             | 636  |     | nm         |                      |
| FORWARD VOLTAGE    |             | 12   |     | $V_f$      |                      |
| REVERSE VOLTAGE    | 5.0         |      |     | $V_r$      | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY    |             | 2500 |     | mcd        | $V_f=12\text{ V}$    |
| VIEWING ANGLE      |             | 25   |     | $2x$ theta |                      |
| EMITTED COLOR:     | RED         |      |     |            |                      |
| EPOXY LENS FINISH: | WATER CLEAR |      |     |            |                      |

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

| PARAMETER                      | MAX        | UNITS                      |
|--------------------------------|------------|----------------------------|
| PEAK FORWARD VOLTAGE           | 14         | V                          |
| STEADY CURRENT                 | 30         | mA                         |
| POWER DISSIPATION              | 310        | mW                         |
| DERATE FROM $25^\circ\text{C}$ | -1.2       | $\text{mW}/^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.       | -40 TO +85 | $^\circ\text{C}$           |

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

REV. PART NUMBER  
SSP-D29E10SIC-12V

10mm CIRCULAR E10 BASE LAMP,  
636nm AlInGaP RED LED, WATER CLEAR LENS.

**CONFIDENTIAL INFORMATION**  
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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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PAGE: 1 OF 1