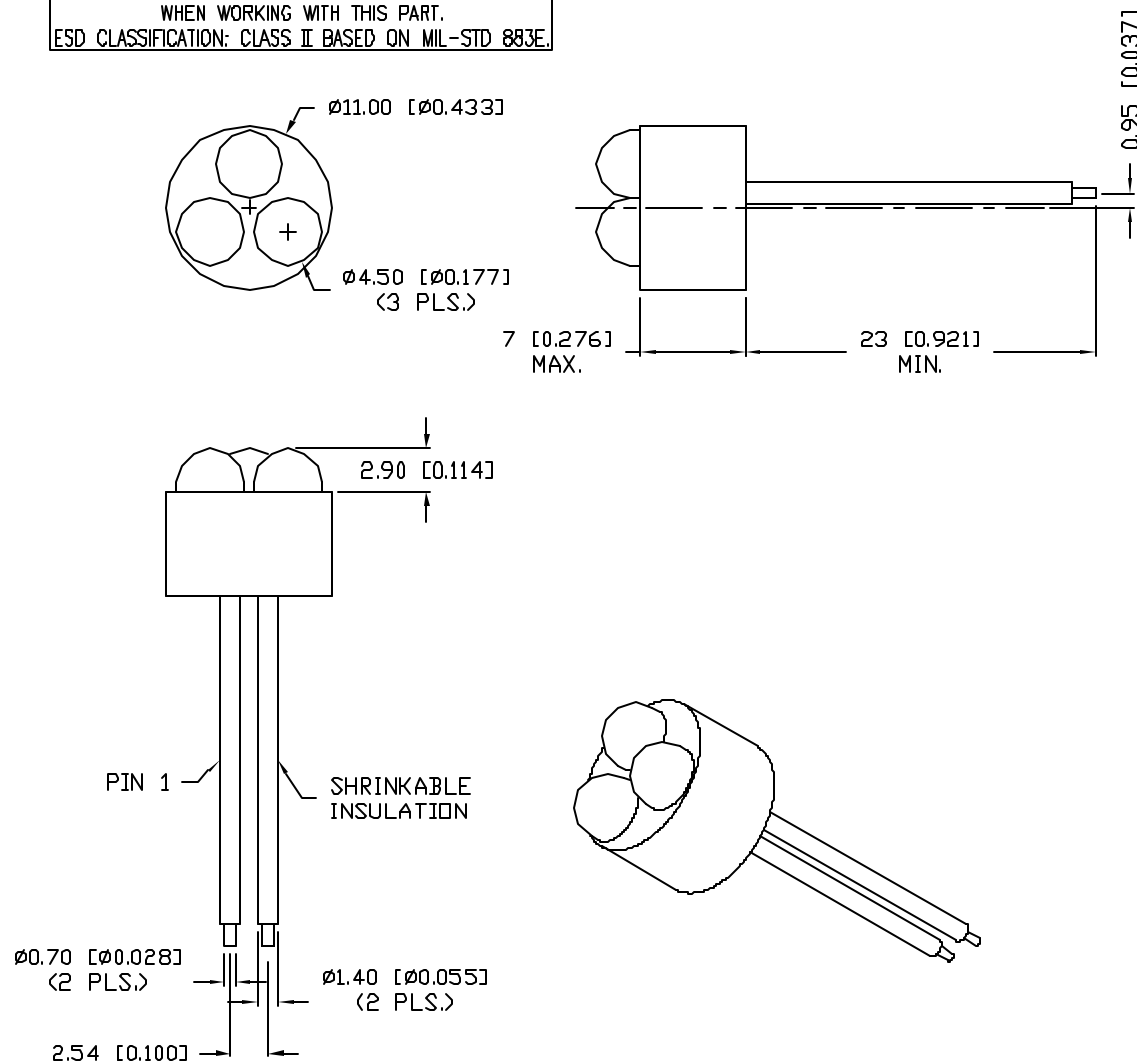


CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.  
ESD CLASSIFICATION: CLASS II BASED ON MIL-STD 883E.

ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20\text{mA}$ 

| PARAMETER          | MIN              | TYP  | MAX  | UNITS    | TEST COND            |
|--------------------|------------------|------|------|----------|----------------------|
| PEAK WAVELENGTH    |                  | 525  |      | nm       |                      |
| FORWARD VOLTAGE    |                  | 10.5 | 12.0 | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0              |      |      | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY *  |                  | 5000 |      | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |                  | 30   |      | 2x theta |                      |
| EMITTED COLOR:     | ULTRA PURE GREEN |      |      |          |                      |
| EPOXY LENS FINISH: | WATER CLEAR      |      |      |          |                      |

\* INTENSITY PER DIE.

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

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT*          | 100        | mA                   |
| STEADY CURRENT                 | 30         | mA                   |
| POWER DISSIPATION              | 98         | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.0       | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.       | -30 TO +70 | $^\circ\text{C}$     |
| SOLDERING TEMP.                | +260       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                |            | 3 SEC. MAX           |

\*  $t < 10\mu\text{s}$ 

PIN OUT

PIN 1  PIN 2

\*TOLERANCES PER DECIMAL PRECISION ARE:  $X=\pm 1$  ( $\pm 0.039$ ),  $X,X=\pm 0.5$  ( $\pm 0.020$ ),  $X,X,X=\pm 0.25$  ( $\pm 0.010$ ). LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ), MIN=  $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$  DECIMAL PRECISION MAX.=  $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$  DECIMAL PRECISION

REV.

PART NUMBER

SSP-LXC0432UP3

0.43" CIRCULAR, 3 LED CLUSTER,

525nm InGaN/SiC GREEN LEDS, 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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