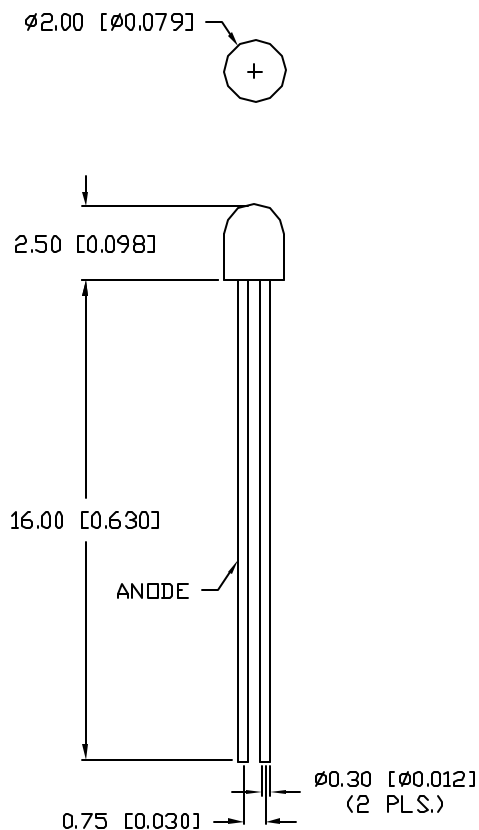


UNCONTROLLED DOCUMENT

PART NUMBER  
SSL-LX203CGTREV.  
A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE   |
|------|-------------------------------------|--------|
| A    | E.C.N. #10BRDR. & REDRAWN.          | 2.9.01 |

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

| PARAMETER          | MIN               | TYP | MAX | UNITS    | TEST COND            |
|--------------------|-------------------|-----|-----|----------|----------------------|
| PEAK WAVELENGTH    |                   | 565 |     | nm       |                      |
| FORWARD VOLTAGE    |                   | 2.2 | 2.6 | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0               |     |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |                   | 6   |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |                   | 160 |     | 2x theta |                      |
| EMITTED COLOR:     | GREEN             |     |     |          |                      |
| EPOXY LENS FINISH: | GREEN TRANSPARENT |     |     |          |                      |

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

| PARAMETER                        | MAX         | UNITS                  |
|----------------------------------|-------------|------------------------|
| PEAK FORWARD CURRENT*            | 150         | mA                     |
| STEADY CURRENT                   | 25          | mA                     |
| POWER DISSIPATION                | 105         | mW                     |
| DERATE FROM $25^{\circ}\text{C}$ | -1.6        | mW/ $^{\circ}\text{C}$ |
| OPERATING TEMP.                  | -25 TO +75  | $^{\circ}\text{C}$     |
| STORAGE TEMP.                    | -25 TO +100 | $^{\circ}\text{C}$     |
| SOLDERING TEMP.                  | +260        | $^{\circ}\text{C}$     |
| 2.0mm FROM BODY                  |             | 3 SEC. MAX             |

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

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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.  
APART NUMBER  
SSL-LX203CGTT-2 CERAMIC STEM LED,  
565nm GREEN LED, GREEN TRANSPARENT 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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|-----------|-------------|--------------|---------------|
| DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: 8.19.93 |
| BC        |             |              | PAGE: 1 OF 1  |
|           |             |              | SCALE: N/A    |