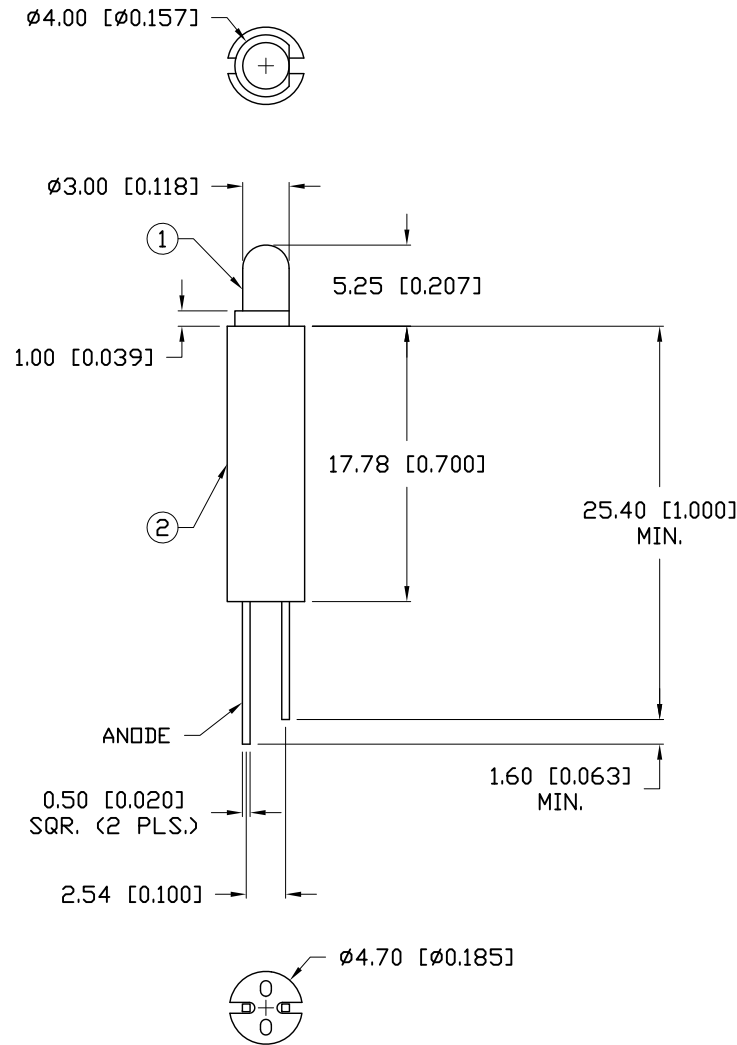


| | | | |
|-------------|-------------------------------------|------|------|
| PART NUMBER | SSS-LX3054GD-700B | REV. | A |
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | | REV. |
| 01.02.13 | E.C.N. #10BRDR. & REDRAWN. | | A |

A



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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|----------------|-------------|-----|----------|----------------------|
| PEAK WAVELENGTH | | 565 (GREEN) | | nm | |
| FORWARD VOLTAGE | | 2.1 | 2.8 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 8.0 | | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 80 | | 2x theta | |
| EMITTED COLOR: | GREEN | | | | |
| EPOXY LENS FINISH: | GREEN DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|----------------------------------|-------------|------------------------|
| PEAK FORWARD CURRENT* | 155 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 120 | mW |
| DERATE FROM 25°C | -1.6 | mW/ $^{\circ}\text{C}$ |
| OPERATING, STORAGE TEMP. | -55 TO +100 | $^{\circ}\text{C}$ |
| SOLDERING TEMP. | +260 | $^{\circ}\text{C}$ |
| 2.0mm FROM BODY | | 3 SEC. MAX |

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

NOTES:

1. SSL-LX3054GD GREEN, YELLOW.
2. SSS-LX700B5, BLACK SPACER.

*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.= $\frac{+0.00}{-0.00}$ DECIMAL PRECISION MAX.= $\frac{+0.00}{-0.00}$ DECIMAL PRECISION UNCONTROLLED DOCUMENT

LUMEX
 Creating LED and LCD Solutions Together™
 425 N. GARY AVE.
 CAROL STREAM, IL 60188-4900
 PHONE: +1.800.278.5666
 FAX: +1.630.315.2152
 WEB: WWW.LUMEX.COM
 MEMBER OF ITW PHOTONICS GROUP

T-3mm (T-1) LED, 565nm GREEN LED, GREEN DIFFUSED LENS, WITH 0.700" SPACER.
 THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.
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| | | | |
|--------|-----------|-----------|------|
| DATE: | 01.02.13 | DRAWN BY: | MA |
| PAGE: | 1 OF 1 | CHKD BY: | KF |
| SCALE: | NTS | APRVD BY: | KF |
| UNIT: | mm [INCH] | | (Pb) |