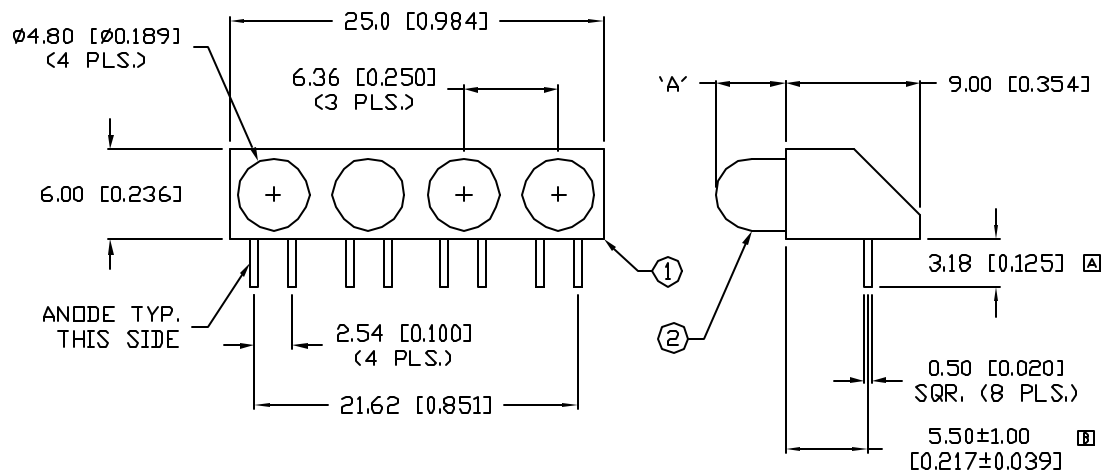


UNCONTROLLED DOCUMENT

PART NUMBER
SSF-LXH400GD-5V(-1)

REV.
D

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|-------------------------------------|---------|
| A | CHG'D LEAD LENGTH AND DIM 'A' | 11-3-93 |
| B | E.C.N. #10303. | 2-3-97 |
| C | E.C.N. #10314. | 2-27-97 |
| D | E.C.N. #10622. | 5-10-00 |



□ ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $V_f=5\text{ V}$

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|----------------|-----|-----|------------|----------------------|
| PEAK WAVELENGTH | | 565 | | nm | |
| FORWARD VOLTAGE | | 5.0 | 7.0 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 20 | | mcd | $V_f=5\text{ V}$ |
| VIEWING ANGLE | | 60 | | $2x$ theta | |
| EMITTED COLOR: | GREEN | | | | |
| EPOXY LENS FINISH: | GREEN DIFFUSED | | | | |

□ LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 12 | mA |
| POWER DISSIPATION | 310 | mW |
| DERATE FROM 25°C | -1.2 | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP. | -40 TO +85 | $^\circ\text{C}$ |
| SOLDERING TEMP. | +260 | $^\circ\text{C}$ |
| 2.0mm FROM BODY | | 3 SEC. MAX |

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

NOTES:

- SSH-LXH400 HOLDER, BLACK.
- NO SUFFIX: SSL-LX507F3GD-5V, GREEN LED. (4 PCS.)
(-1) SUFFIX: SSL-LX509F3GD-5V, GREEN LED. (4 PCS.)
- PACKAGE PARTS IN ANTISTATIC TUBES.

□ DIM 'A'

WITH NO SUFFIX: 2.50 ± 0.50 [0.126 ± 0.020]
WITH -1 SUFFIX: 4.70 ± 0.50 [0.187 ± 0.020]

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

UNCONTROLLED DOCUMENT

REV. D PART NUMBER SSF-LXH400GD-5V(-1)

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T-5mm (T-1 3/4) 565nm GREEN LEDS, 4 POSITIONS,
GREEN DIFFUSED LENS, 5 VOLT OPERATION.

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.

DRAWN BY: CW/BC CHECKED BY: APPROVED BY: DATE: 7-6-93
PAGE: 1 OF 1
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