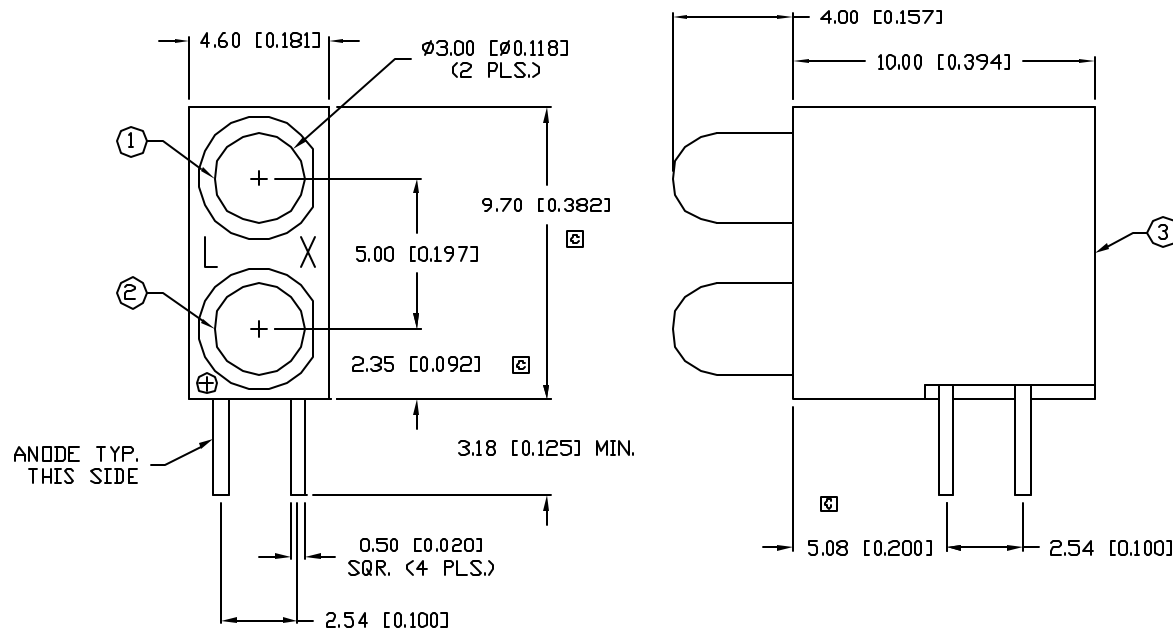


PART NUMBER
SSF-LXH2103SRSRD/4

REV.

C

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|-------------------------------------|---------|
| A | CHG'D LEAD LENGTH./ | 10-6-93 |
| B | CHG'D SSH-LXH2103 HOLDER./ | 2-24-94 |
| C | E.C.N. #10449 & #10BRDR. & REDRAWN. | 8-11-98 |



| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$ | | | | | |
|--|--------------|-----------|-----|-----------------|----------------------|
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
| PEAK WAVELENGTH | | 660 (RED) | | nm | |
| FORWARD VOLTAGE | | 1.7 | 2.2 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 130 | | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 60 | | $2\times\theta$ | |
| EMITTED COLOR: | SUPER RED | | | | |
| EPOXY LENS FINISH: | RED DIFFUSED | | | | |

| LIMITS OF SAFE OPERATION AT 25°C | | |
|--|------------|------------------------|
| PARAMETER | MAX | UNITS |
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 100 | mW |
| DERATE FROM 25°C | -1.6 | 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:

1. SSL-LX3054SRD, SUPER RED LED.
2. SSL-LX3054SRD, SUPER RED LED.
3. SSH-LXH2103 HOLDER.

*UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010"$)

REV.

C

PART NUMBER

SSF-LXH2103SRSRD/4

T-3mm (T-1) LED, PIGGY-BACK HOLDER,
TWO 660nm RED LEDS, RED DIFFUSED 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.

LUMEX
INCORPORATED

290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
PHONE: 1-847-359-2790
WEB: [HTTP://WWW.LUMEX.COM](http://WWW.LUMEX.COM)

| | | | |
|-----------|-------------|--------------|--------------|
| DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: 9-7-93 |
| BC | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |

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