



| PART NUMBER | SSI-LXH072ID | REV. | D |
|-------------|-------------------------------------|------|------|
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | | REV. |
| 01.05.99 | E.C.N. #10BRDR. & REDRAWN. | | A |
| 01.10.01 | E.C.N. #10702. | | B |
| 03.08.04 | E.C.N. #11103. | | C |
| 04.11.11 | E.C.N. #10BRDR. & REDRAWN/#11686. | | D |

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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|--------------|-----|-----|-----------|----------------------|
| PEAK WAVELENGTH | | 635 | | nm | |
| FORWARD VOLTAGE | | 2.0 | 2.5 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY | | 15 | | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 110 | | 2θ | |
| EMITTED COLOR: | 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 | 105 | mW |
| DERATE FROM 25°C | -1.2 | mW/ $^\circ\text{C}$ |
| OPERATING TEMP. | -40 TO +85 | $^\circ\text{C}$ |
| STORAGE TEMP. | -40 TO +85 | $^\circ\text{C}$ |
| SOLDERING TEMP. | +260 | $^\circ\text{C}$ |
| 2.0mm FROM BODY | | 3 SEC. MAX |

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

[C] NOTES:

- SSH-LXH072 HOLDER, BLACK.
- SSL-LX25783ID LED, RED.
- SECURE LED TO HOLDER WITH GLUE.
- PANEL CUT OUT SIZE: 5.3mm x 11.0mm.
- QC TO SQUEEZE BOTH EARS OF HOLDER TO MAKE SURE THAT THEY CANNOT BREAK.
- LUMEX MARKING CAN BE ON EITHER SIDE OF THE HOLDER HAVING NO SIGNIFICANCE TO LED POLARITY.

[D]

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X=\pm 1$ (± 0.039), $X.X=\pm 0.5$ (± 0.020), $X.XX=\pm 0.25$ (± 0.010), $X.XXX=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN= $^{+0.00}_{-0.00}$ DECIMAL PRECISION MAX= $^{+0.00}_{-0.00}$ DECIMAL PRECISION

UNCONTROLLED DOCUMENT



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2.3mm x 7mm RECTANGULAR PANEL INDICATOR LED, 635nm RED LED, RED DIFFUSED LENS.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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|--------|-----------|-----------|------|
| DATE: | 04.11.11 | DRAWN BY: | AB |
| PAGE: | 1 OF 1 | CHKD BY: | KF |
| SCALE: | NTS | APRVD BY: | SS |
| UNIT: | mm [INCH] | | (Pb) |

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SSI-LXH072ID