



We Tame Photons to Work for You!



Products

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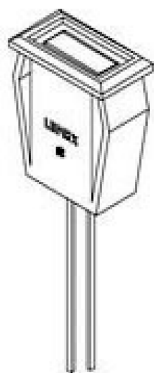
Literature

Tech Notes

Support

Corporate

Products > LED Indicators > Panel Indicators > Rectangular > 2.5mm x 7mm



Features / Options

- ▶ Bi-Color Styles Optional
- ▶ State-of-the-Art, LED Technology
- ▶ Choice of LED Colors and Lens Finishes
- ▶ Insulated Lead Lengths Optional
- ▶ Easy installation through panel

Applications / Uses

- ▶ Front Panel Status Indicators
- ▶ Alarm/Warning Indicators
- ▶ Front Panel Circuit Fault Indicators
- ▶ Instrument Control Panels
- ▶ Medical Diagnostics Indicators
- ▶ Industrial Automation Control Panels

| Part Number: | Brightness | Material | Emitted Color | Wavelength | Intensity | View Angle | Voltage |
|--------------------|------------|----------|---------------|------------|-----------|------------|---------|
| SSI-LXH072GD | STANDARD | GaP | Green | 565 | 9 | 110 | 2.2 |
| SSI-LXH072GD-150 | STANDARD | GaP | Green | 565 | 9 | 110 | 2.2 |
| SSI-LXH072HGW | STANDARD | GaP | Red/ Green | 700/565 | 4/9 | 110 | 2.0/2.2 |
| SSI-LXH072ID | STANDARD | GaAsP | Red | 635 | 15 | 110 | 2.0 |
| SSI-LXH072ID-150 | STANDARD | GaAsP | Red | 635 | 15 | 110 | 2.0 |
| SSI-LXH072SID-150 | HIGH | AlInGaP | Red | 636 | 70 | 110 | 2.0 |
| SSI-LXH072SOD-150 | HIGH | AlInGaP | Orange | 610 | 70 | 110 | 2.0 |
| SSI-LXH072SRD | HIGH | GaAlAs | Red | 660 | 50 | 110 | 1.7 |
| SSI-LXH072SRD-150 | HIGH | GaAlAs | Red | 660 | 50 | 110 | 1.8 |
| SSI-LXH072SUGD-150 | HIGH | AlInGaP | Green | 574 | 35 | 110 | 2.2 |
| SSI-LXH072SYD-150 | HIGH | AlInGaP | Yellow | 590 | 160 | 110 | 2.1 |

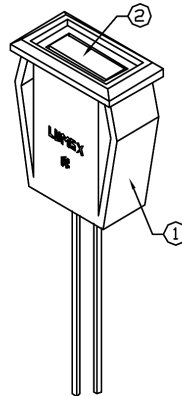
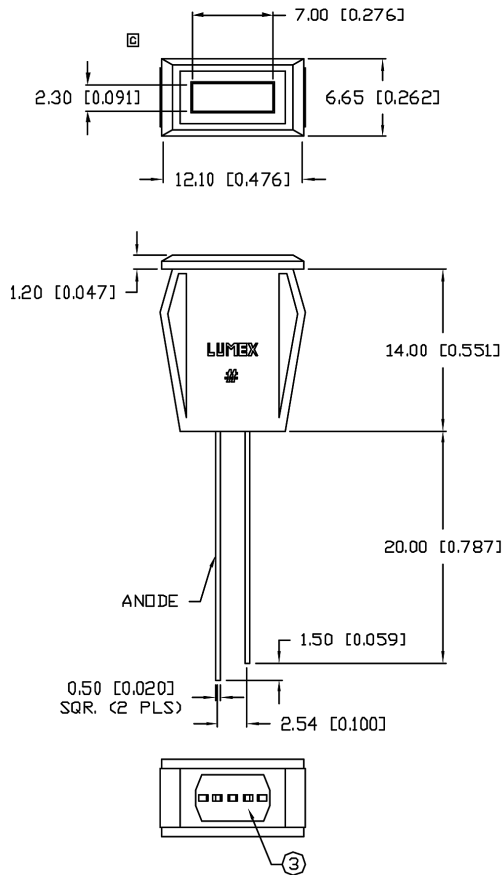
| | | | | | | | | |
|--------------------|--|----------|-------|--------|-----|----|-----|-----|
| SSI-LXH072USBD-150 | | HIGH | InGaN | Blue | 470 | 40 | 110 | 3.5 |
| SSI-LXH072YD | | STANDARD | GaAsP | Yellow | 585 | 9 | 110 | 2.1 |
| SSI-LXH072YD-150 | | STANDARD | GaAsP | Yellow | 585 | 9 | 110 | 2.1 |

UNCONTROLLED DOCUMENT

PART NUMBER
SSI-LXH072GD

REV.
C

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|-------------------------------------|---------|
| A | UPDATED SPECS. | 1.11.95 |
| B | E.C.N. #10BRDR. & REDRAWN. | 1.5.99 |
| C | E.C.N. #10702. | 1.10.01 |



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 | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY | | 9 | | med | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 110 | | 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 | 25 | mA |
| POWER DISSIPATION | 105 | 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-LXH072 HOLDER, BLACK.
- SSL-LX25783GD LED, GREEN.
- SECURE LED TO HOLDER WITH UV ACRYLIC.
- PANEL CUT OUT SIZE: 5.3mm x 11.0mm.

*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 MAX.=+0.00 -0.00 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT

| REV. | PART NUMBER |
|------|--------------|
| C | SSI-LXH072GD |

2.3mm x 7mm RECTANGULAR PANEL INDICATOR LED,
565nm GREEN LED, GREEN DIFFUSED LENS.

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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.