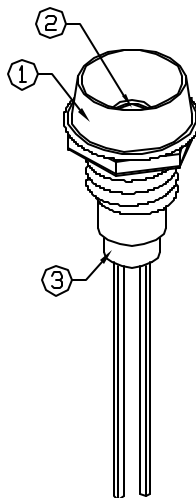
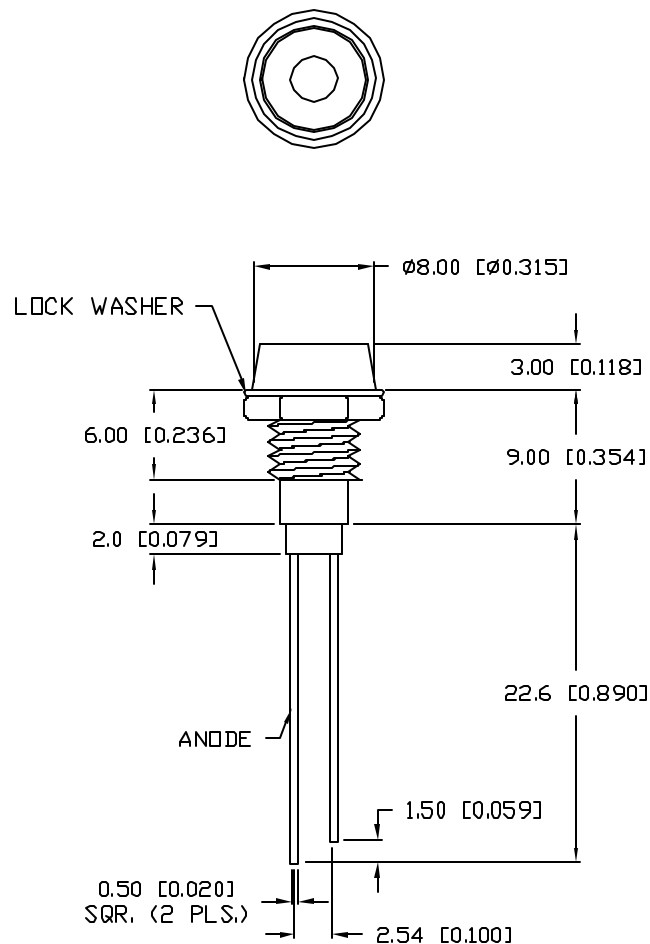


UNCONTROLLED DOCUMENT

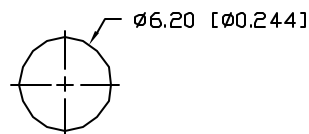
PART NUMBER
SSI-LXR1612GD

REV.
B

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|-------------------------------------|----------|
| A | UPDATED SPECS | 9.19.94 |
| B | E.C.N. #10BRDR. & REDRAWN IN 3D. | 10.16.01 |



PANEL CUTOUT



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 _r =100µA |
| AXIAL INTENSITY | | 30 | | med | I _f =20mA |
| 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 | 25 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 25°C | -1.6 | mW/°C |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C |
| SOLDERING TEMP. | +260 | °C |
| 2.0mm FROM BODY | | 3 SEC. MAX |
| * t < 10µs | | |

NOTES:

1. SSI-LXR1612, CHROME HOUSING.
2. SSL-LX3054GD, GREEN LED.
3. SSH-LXH1612BSG, BUSHING. INSERT AND CRIMP.

UNCONTROLLED DOCUMENT

*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. ^{+0.00} _{-0.00} DECIMAL PRECISION MAX. = ^{+0.00} _{-0.00} DECIMAL PRECISION

| REV. | PART NUMBER |
|------|---------------|
| B | SSI-LXR1612GD |

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T-3mm (T-1) 565nm GREEN LED PANEL INDICATOR,
GREEN DIFFUSED LENS.

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: BC | CHECKED BY: | APPROVED BY: | DATE: 6.3.92 |
| | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |