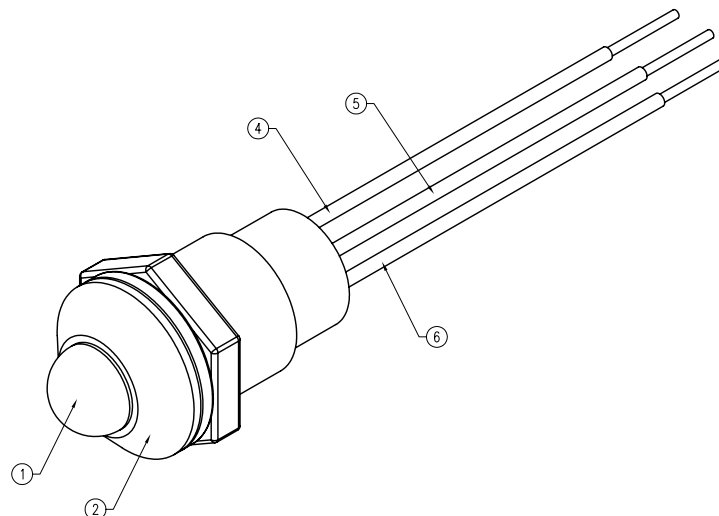
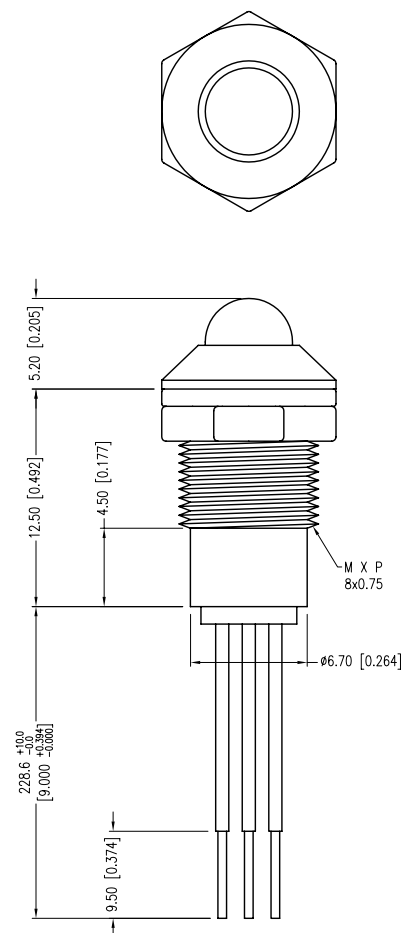


| PART NUMBER | SSI-LXR3816IGW3B22                  | REV. | B    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 11.12.01    | E.C.N. #10BRDR. & REDRAWN.          |      | A    |
| 03.05.12    | E.C.N. #10BRDR. & REDRAWN.          |      | B    |

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

| PARAMETER             | MIN                  | TYP     | MAX     | UNITS    | TEST COND            |
|-----------------------|----------------------|---------|---------|----------|----------------------|
| PEAK WAVELENGTH (R/G) |                      | 635/565 |         | nm       |                      |
| FORWARD VOLTAGE (R/G) |                      | 2.0/2.2 | 2.5/2.6 | Vf       |                      |
| REVERSE VOLTAGE       | 5.0                  |         |         | Vr       | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY       |                      | 25      |         | md       | $I_f=20\text{mA}$    |
| VIEWING ANGLE         |                      | 60      |         | 2x theta |                      |
| EMITTED COLOR:        | RED/GREEN            |         |         |          |                      |
| LENS FINISH:          | MILKY WHITE DIFFUSED |         |         |          |                      |

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$ 

| PARAMETER                        | MAX        | UNITS                  |
|----------------------------------|------------|------------------------|
| PEAK FORWARD CURRENT*            | 150        | mA                     |
| STEADY CURRENT (R/G)             | 30/25      | mA                     |
| POWER DISSIPATION (R/G)          | 120/105    | mW                     |
| DERATE FROM $25^{\circ}\text{C}$ | -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.                   |

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

## NOTES:

- SSL-LX5099IGW, RED/GREEN LED. TRIM LEADS TO 7mm.
- SSI-LXR3816-B, BLACK ANODIZED HOUSING.
- SSH-LXH4815BSG-3, BUSHING.
- RED ANODE: LXP-WST24RDT0C, 24 AWG. TINNED OVERCOAT, RED INSULATION, CUT 235mm LONG, STRIP 3.18mm AND 9.5mm.
- COMMON CATHODE: LXP-WST24BLT0C, 24 AWG. TINNED OVERCOAT, BLACK INSULATION, CUT 235mm LONG, STRIP 3.18mm AND 9.5mm.
- GREEN ANODE: LXP-WST24GR0C, 24 AWG. TINNED OVERCOAT, GREEN INSULATION, CUT 235mm LONG, STRIP 3.18mm AND 9.5mm.
- NO EXPOSED WIRE ALLOWED BEYOND END OF BUSHING.

PANEL CUTOUT

Ø8.20 [Ø0.323]

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

UNCONTROLLED DOCUMENT



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T-5mm RED/GREEN LED PANEL INDICATOR, 3 LEAD, T-5mm RED/GREEN PANEL INDICATOR, COMMON CATHODE.

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

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 03.05.12  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF |
| SCALE: | NTS       | APRVD BY: | KF |
| UNIT:  | mm [INCH] |           | Ⓢ  |

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