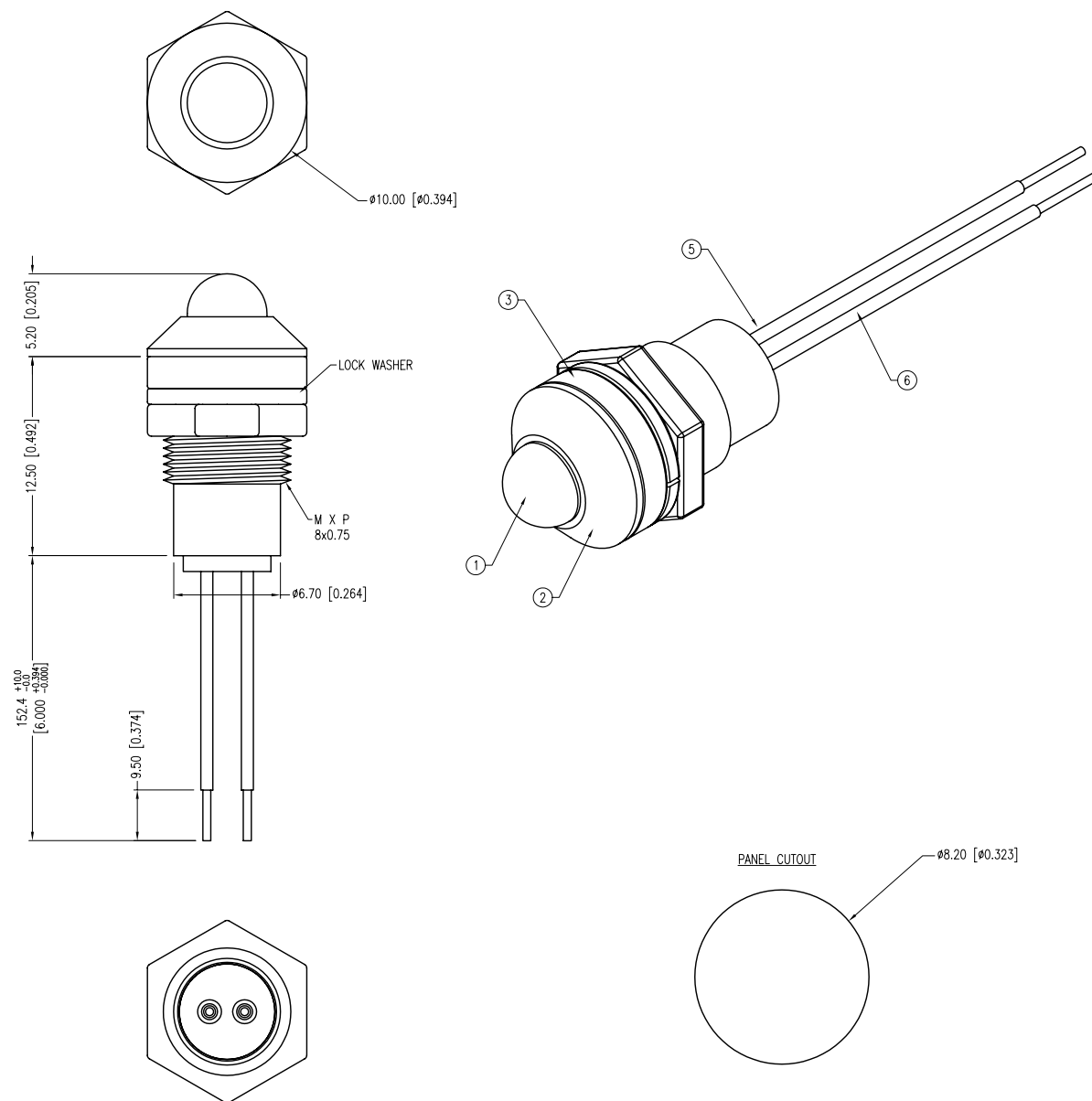


|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | SSI-LXR3816ID1215W                  | REV. | A    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 03.05.12    | E.C.N. #10BRDR. & REDRAWN.          |      | A    |

ELECTRO-OPTICAL CHARACTERISTICS  $T_a=25^{\circ}\text{C}$   $I_f=12\text{V}$ 

| PARAMETER       | MIN          | TYP  | MAX  | UNITS    | TEST COND            |
|-----------------|--------------|------|------|----------|----------------------|
| PEAK WAVELENGTH |              | 635  |      | nm       |                      |
| FORWARD VOLTAGE |              | 12.0 | 14.0 | Vf       |                      |
| REVERSE VOLTAGE | 5.0          |      |      | Vr       | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY |              | 20   |      | mcd      | $I_f=12\text{V}$     |
| VIEWING ANGLE   |              | 60   |      | 2x theta |                      |
| EMITTED COLOR:  | RED          |      |      |          |                      |
| LENS FINISH:    | RED DIFFUSED |      |      |          |                      |

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

| PARAMETER                        | MAX        | UNITS                  |
|----------------------------------|------------|------------------------|
| PEAK FORWARD VOLTAGE             | 14         | V                      |
| STEADY CURRENT                   | 12         | mA                     |
| POWER DISSIPATION                | 310        | 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 | $^{\circ}\text{C}$     |

## NOTES:

1. SSL-LX5093ID-12V, RED LED. TRIM TO 4mm.
2. SSI-LXR3816, CHROME HOUSING.
3. LXP-WA-3816, RUBBER GASKET.
4. SSH-LXH4815BSG, BUSHING. INSERT AND CRIMP.
5. ANODE LEAD: LXP-WST24RDT0C, 24 AWG. TINNED OVERCOAT, RED INSULATION, CUT 160mm LONG, STRIP 9.5mm & 3mm.
6. CATHODE LEAD: LXP-WST24BLT0C, 24 AWG. TINNED OVERCOAT, BLACK INSULATION, CUT 160mm LONG, STRIP 9.5mm & 3mm.
7. ASSEMBLE IN ORDER: LED, SILICON, THEN BUSHING.
8. SPLASH RESISTANT PER NEMA SPEC. 250 SECTION 6.7.

\*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 -0.00 MAX.= +0.00 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT



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T-5mm 635nm RED LED PANEL INDICATOR, 12 VOLTS, RED DIFFUSED LENS, 6.0" WIRE LEADS, SPLASH PROOF.

\*\*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] |           | Ⓟ  |