

UNCONTROLLED DOCUMENT

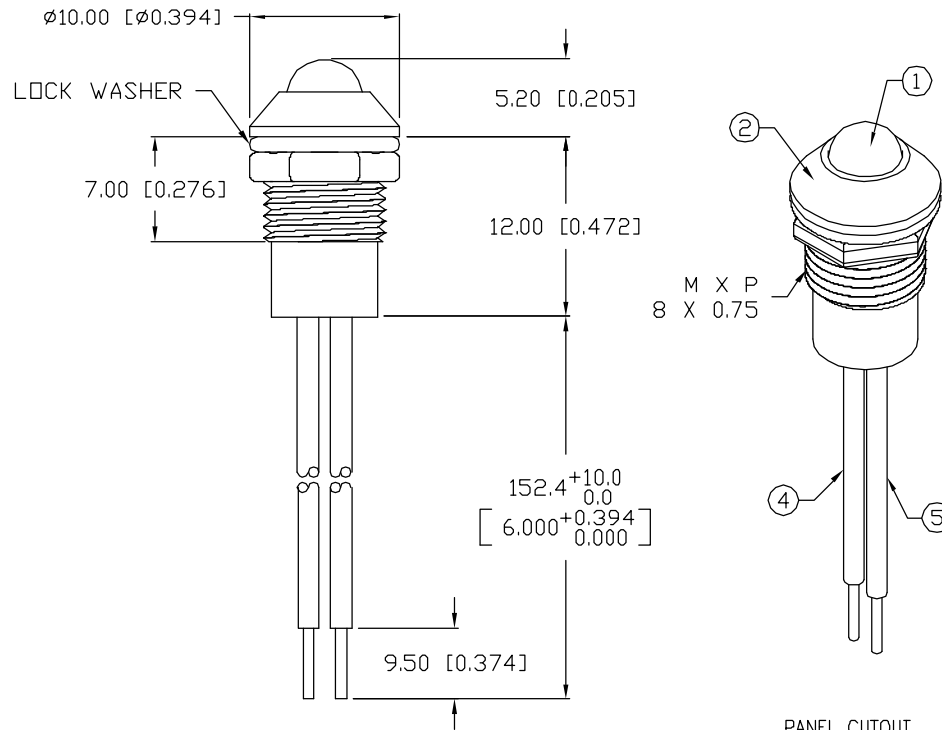
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PART NUMBER

REV.

SSI-LXR3816SRD5VB1

PRELIMINARY IN P/N DIR.



M X P
8 X 0.75

PANEL CUTOUT

NOTES:

1. SSL-LX5093SRD-5V, RED LED. TRIM LEADS TO 4mm.
2. SSI-LXR3816-B, BLACK ANODIZED HOUSING.
3. SSH-LXH4815BSG, BUSHING (NOT SHOWN). INSERT AND CRIMP.
4. ANODE LEAD: LXP-WST24RDTOC, 24 AWG., TINNED OVERCOAT, RED INSULATION. CUT 160mm LONG, STRIP BOTH ENDS 3mm & 9.5mm.
5. CATHODE LEAD: LXP-WST24BLTOC, 24 AWG., TINNED OVERCOAT, BLACK INSULATION. CUT 160mm LONG, STRIP BOTH ENDS 3mm & 9.5mm.
6. CRIMP WIRES TO LED LEADS.

| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ | | $V_f=5\text{ V}$ | | | |
|--|--------------|------------------|-----|----------|----------------------|
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
| PEAK WAVELENGTH | | 660 | | nm | |
| FORWARD VOLTAGE | | 5.0 | 7.0 | V_f | |
| REVERSE VOLTAGE | 4.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 80 | | mcd | $V_f=5\text{ V}$ |
| VIEWING ANGLE | | 60 | | 2x theta | |
| EMITTED COLOR: | RED | | | | |
| EPOXY LENS FINISH: | RED DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|--------------------------|------------|------------|
| PEAK FORWARD VOLTAGE | 7.0 | V |
| STEADY CURRENT | 12 | mA |
| POWER DISSIPATION | 310 | mW |
| DERATE FROM 25°C | -1.2 | mW/°C |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C |
| SOLDERING TEMP. | +260 | °C |
| 2.0mm FROM BODY | | 3 SEC. MAX |

*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.=+0.00 -DECIMAL PRECISION

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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.



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T-5mm 660nm SUPER RED LED PANEL INDICATOR,
RED DIFFUSED LENS, 6.0" WIRE LEADS, 5V OPERATION.

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|-----------------|-------------|--------------|---------------|
| DRAWN BY: CT | CHECKED BY: | APPROVED BY: | DATE: 2.26.03 |
| | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |