

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=10\text{mA}$

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-----------------|----------------------|------|-----|----------------|----------------------|
| PEAK WAVELENGTH | | 574 | | nm | |
| FORWARD VOLTAGE | | 2.2 | 2.6 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 7000 | | μcd | $I_f=10\text{mA}$ |
| EMITTED COLOR: | GREEN | | | | |
| FACE COLOR: | GRAY | | | | |
| SEGMENT COLOR: | MILKY WHITE DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C PER DIE

| PARAMETER | MAX | UNITS |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 30 | 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 |

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

*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

REV.

PART NUMBER
LDS-C3902RI-SUG

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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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0.39" SEVEN SEGMENT, LED DISPLAY, COMMON CATHODE,
574nm GREEN CHIPS, GRAY FACE WITH WHITE SEGMENTS.

DRAWN BY:

BC

CHECKED BY:

APPROVED BY:

DATE: 3.23.03

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SCALE: N/A