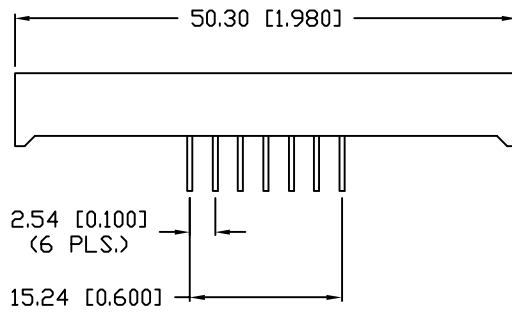
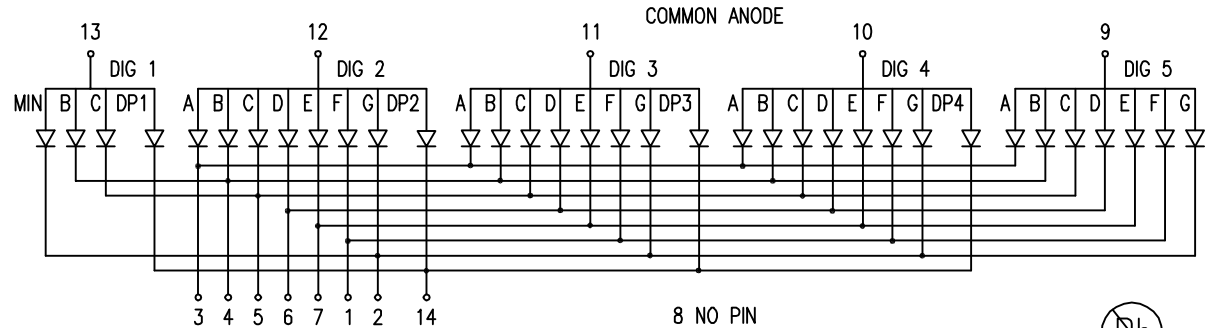
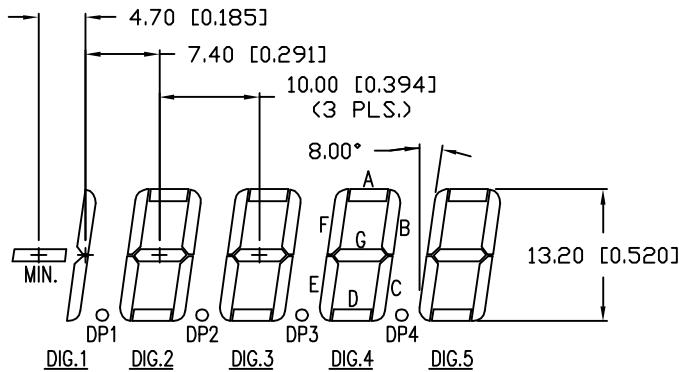


| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=10\text{mA}$ | | | | | |
|--|----------------------|--------|-----|----------------|----------------------|
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
| PEAK WAVELENGTH | | 636 | | nm | |
| FORWARD VOLTAGE | | 2.0 | 2.3 | V_f | |
| REVERSE VOLTAGE | 4.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 22,000 | | μcd | $I_f=10\text{mA}$ |
| EMITTED COLOR: | RED | | | | |
| FACE COLOR: | GRAY | | | | |
| SEGMENT COLOR: | MILKY WHITE DIFFUSED | | | | |



CHARACTER DETAIL



| LIMITS OF SAFE OPERATION AT 25°C PER CHIP | | |
|---|------------|------------|
| PARAMETER | MAX | UNITS |
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 100 | 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 |

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

*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
LDQ-M5204RI-SI

0.52" QUAD DIGIT, SEVEN SEGMENT DISPLAY, COMMON ANODE,
636nm RED CHIPS, GRAY FACE WTH WHITE SEGMENTS.

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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.

| | | | |
|-----------------|-------------|--------------|----------------|
| DRAWN BY: JN | CHECKED BY: | APPROVED BY: | DATE: 07.21.99 |
| | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |

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