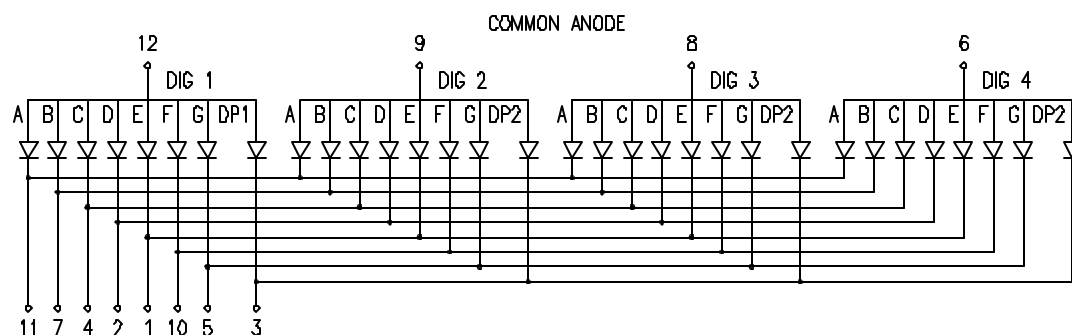
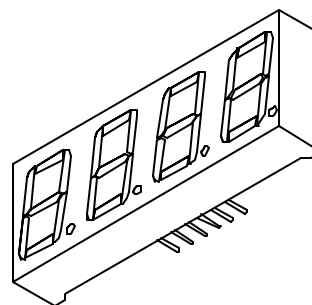
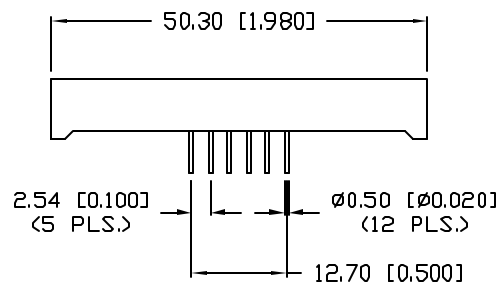
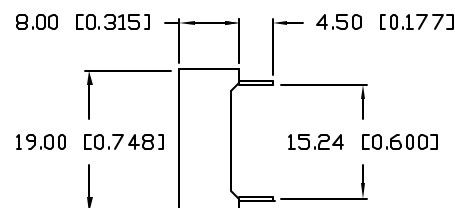
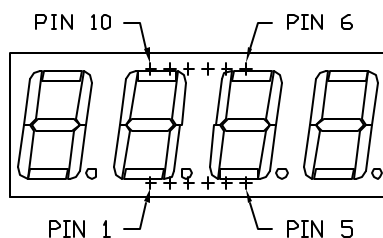


LDQ-M519RD-UW

PRELIMINARY IN P/N DIR

CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.

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

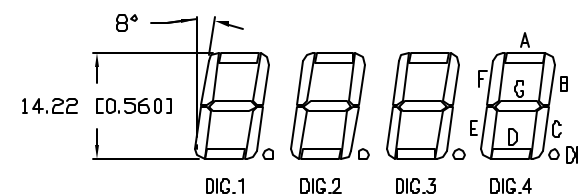
| PARAMETER       | MIN    | TYP | MAX | UNITS          | TEST COND            |
|-----------------|--------|-----|-----|----------------|----------------------|
| PEAK WAVELENGTH |        | -   |     | nm             |                      |
| FORWARD VOLTAGE |        | 3.4 | 4.0 | $V_f$          |                      |
| REVERSE VOLTAGE | 5.0    |     |     | $V_r$          | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY |        | TBA |     | $\mu\text{cd}$ | $I_f=10\text{mA}$    |
| EMITTED COLOR:  | WHITE  |     |     |                |                      |
| FACE COLOR:     | BLACK  |     |     |                |                      |
| SEGMENT COLOR:  | YELLOW |     |     |                |                      |

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

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT*          | 80         | mA                   |
| STEADY CURRENT                 | 18         | mA                   |
| POWER DISSIPATION              | 105        | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.2       | mW/ $^\circ\text{C}$ |
| OPERATING TEMP.                | -25 TO +85 | $^\circ\text{C}$     |
| STORAGE TEMP.                  | -30 TO +85 | $^\circ\text{C}$     |
| SOLDERING TEMP.                | +260       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                | 3 SEC. MAX |                      |

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

## DIGIT DETAIL



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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

REV.

PART NUMBER

LDQ-M519RD-UW

0.56" QUAD DIGIT, SEVEN SEGMENT, LED DISPLAY,  
WHITE LEDS, BLACK FACE WITH YELLOW DIFFUSED SEGMENTS.  
COMMON ANODE, 12 PINS, MULTIPLEXED.

## CONFIDENTIAL INFORMATION

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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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PAGE: 1 OF 1

SCALE: N/A