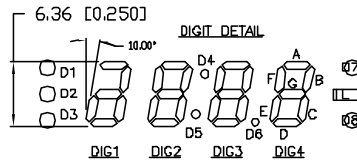
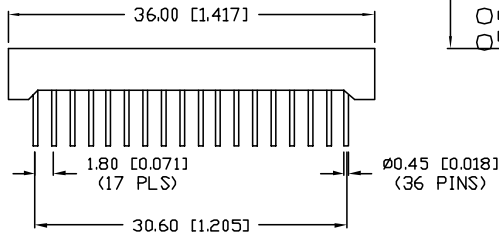
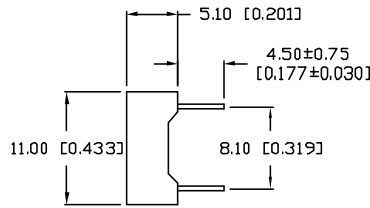
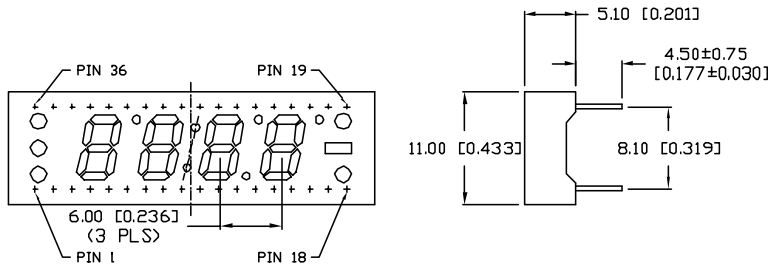
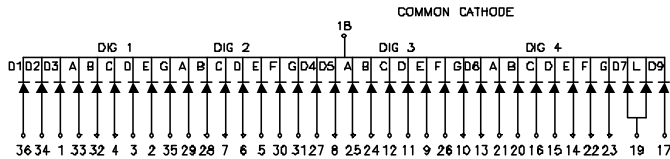


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NOTE:
1. SEGMENT 'F' IN DIGIT 1 HAS NO CHIP.



*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 MAX.=+0.00 -DECIMAL PRECISION

PART NUMBER
LDC-C2502RI

REV.
A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|-------------------------------------|---------|
| A | E.C.N. #11148. | 4.24.07 |

REPLACES PART# LDQ-C212RI
REPLACES PART# LDQ-C252RI
REPLACES PART# LDQ-C2502RI

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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-----------------|----------------------|-------------|-----|----------------|----------------------|
| PEAK WAVELENGTH | | 565 (GREEN) | | nm | |
| FORWARD VOLTAGE | | 2.2 | 2.6 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY | | 2250 | | μcd | $I_f=10\text{mA}$ |
| EMITTED COLOR: | GREEN | | | | |
| FONT COLOR: | GREY | | | | |
| SEGMENT COLOR: | MILKY WHITE DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

| PARAMETER | MAX | UNITS |
|--------------------------|------------|------------------------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 25 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 25°C | -1.2 | $\text{mW}/^{\circ}\text{C}$ |
| OPERATING, STORAGE TEMP. | -30 TO +85 | $^{\circ}\text{C}$ |
| SOLDERING TEMP. | +260 | $^{\circ}\text{C}$ |
| 2.0mm FROM BODY | | 3 SEC. MAX |

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

UNCONTROLLED DOCUMENT

| | |
|-----------|----------------------------|
| REV. A | PART NUMBER LDC-C2502RI |
|-----------|----------------------------|

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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: JC | CHECKED BY: | APPROVED BY: | DATE: 5.12.98 |
| | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |

