

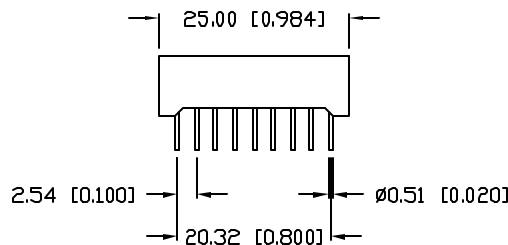
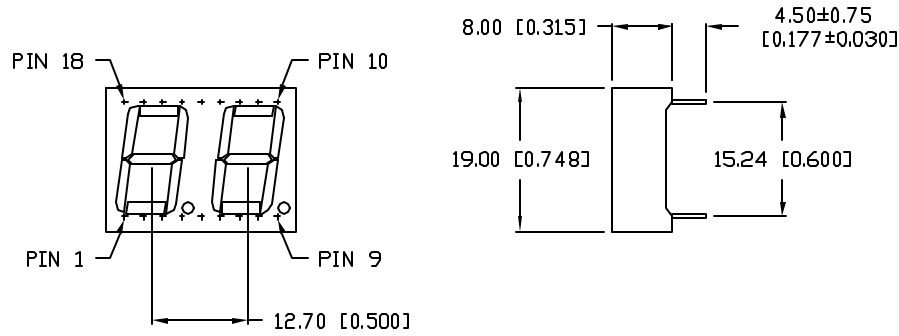
| DATE | REVISIONS | REV |
|---------|-----------------------------|-----|
| 6-24-96 | E.C.N. #10188 & #10113./ | A |
| 4-22-98 | E.C.N. #10BRDR. & REDRAWN./ | B |

| | |
|------------------------------|----------|
| DRAWING NUMBER LDD-C515RI | REV B |
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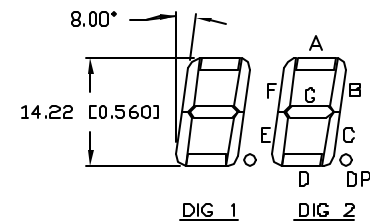
UNCONTROLLED DOCUMENT

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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-----------------|----------------------|-----------|-----|----------------|------------------------|
| PEAK WAVELENGTH | | 700 (RED) | | nm | |
| FORWARD VOLTAGE | | 2.0 | 2.5 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r = 100\mu\text{A}$ |
| AXIAL INTENSITY | | 1550 | | μcd | $I_f = 10\text{mA}$ |
| EMITTED COLOR: | RED | | | | |
| FONT COLOR: | GREY | | | | |
| SEGMENT COLOR: | MILKY WHITE DIFFUSED | | | | |



DIGIT DETAIL



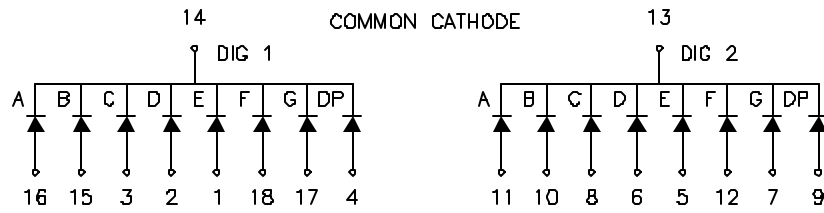
LIMITS OF SAFE OPERATION AT 25°C PER CHIP

| PARAMETER | MAX | UNITS |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 25 | mA |
| POWER DISSIPATION | 120 | 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 |

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

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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| | | | |
|----------------|------|--------|-------|
| DATE: 10-13-95 | DWN: | CHK'D: | APPD: |
| SCALE: N/A | | | |

0.56" DUAL DIGIT, SEVEN SEGMENT DISPLAY, 700nm RED, GREY FONT/WHITE SEGMENTS, COMMON CATHODE.

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| PAGE 1 OF 1 | DRAWING NUMBER LDD-C515RI | REV B |
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UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010''$)

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