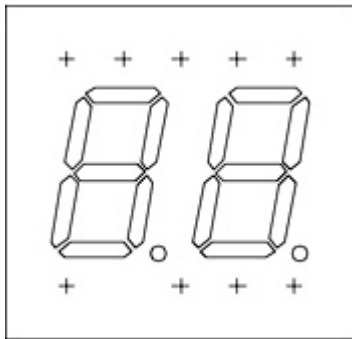




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Products > LED Displays > Thru-Hole > Numeric > Dual Digit > Standard > .30"



Features / Options

- ▶ Standard and high brightness chips
- ▶ Intensity grading available
- ▶ Custom Sizes at minimal tooling
- ▶ Face and segment off colors in grey and milky white
- ▶ Standard and High Brightness Chips
- ▶ Intensity Grading Available
- ▶ Custom Sizes Available
- ▶ Face and segment off colors in gray and milky white

Applications / Uses

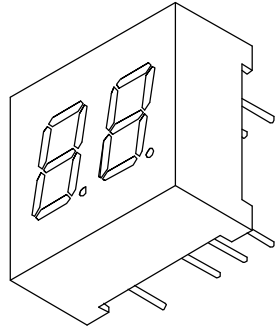
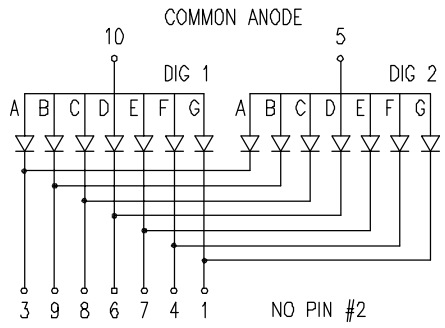
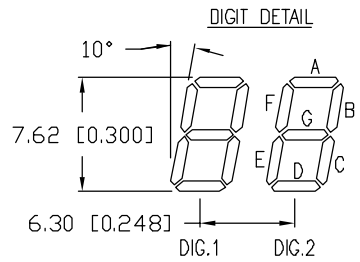
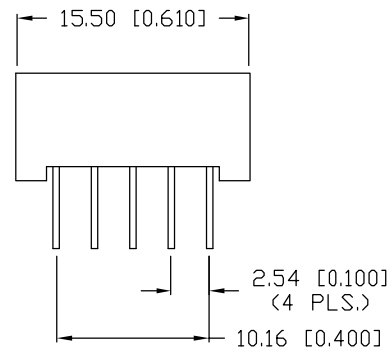
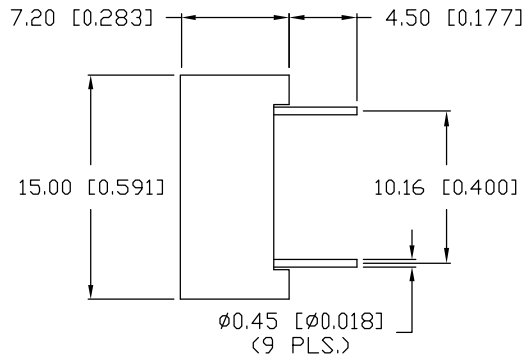
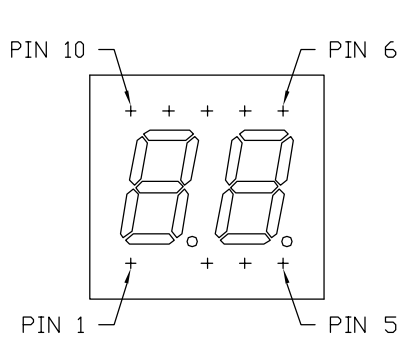
- ▶ Instrument Panels
- ▶ Medical Diagnostics
- ▶ Test Equipment
- ▶ Control Panels

| Part Number: | Wavelength | Intensity mcd @ 10mA | Color | Common Pin | Face | Segment | | |
|----------------|------------|----------------------|-------------------------|------------|------|---------|--|---|
| LDD-E302NI | 565 | 3000 | Green | (+) | Grey | White | | — |
| LDD-E302NI-SUG | 574 | 7000 | Green | (+) | Grey | White | | — |
| LDD-E303NI | 585 | 3000 | Yellow | (+) | Grey | White | | — |
| LDD-E304NI | 625 | 5000 | Red | (+) | Grey | White | | — |
| LDD-E304NI-SI | 636 | 15000 | Red | (+) | Grey | White | | — |
| LDD-E306NI | 660 | 9000 | Unable to look up Color | (+) | Grey | White | | — |
| LDD-E307NI-USB | 470 | 6000 | Blue | (+) | Grey | White | | — |
| LDD-F302NI | 565 | 3000 | Green | (-) | Grey | White | | — |
| LDD-F302NI-SUG | 574 | 7000 | Green | (-) | Grey | White | | — |
| LDD-F303NI | 585 | 3000 | Yellow | (-) | Grey | White | | — |

UNCONTROLLED DOCUMENT

| | | |
|-------------|--|------|
| PART NUMBER | | REV. |
| LDD-E302NI | | C |

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|-------------------------------------|---------|
| A | E.C.N. #10112. | 2.13.96 |
| B | E.C.N. #10BRDR. | 2.16.99 |
| C | E.C.N. #10BRDR. & REDRAWN IN 3D. | 6.21.03 |



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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-----------------|----------------------|------|-----|----------------|----------------------|
| PEAK WAVELENGTH | | 565 | | nm | |
| FORWARD VOLTAGE | | 2.2 | 2.6 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 2500 | | 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 CHIPS

| PARAMETER | MAX | UNITS |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 25 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 25°C | -1.6 | 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

UNCONTROLLED DOCUMENT

| | |
|--|---------------------------|
| REV. C | PART NUMBER LDD-E302NI |
| 0.30" SEVEN SEGMENT, DUAL DIGIT, LED DISPLAY, 565nm GREEN CHIPS, GRAY FACE WITH WHITE SEGMENTS, MULTIPLEXED, COMMON ANODE. | |

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.



| | | | |
|-----------------|-------------|--------------|---|
| DRAWN BY: BC | CHECKED BY: | APPROVED BY: | DATE: 1.11.96 PAGE: 1 OF 1 SCALE: N/A |
|-----------------|-------------|--------------|---|