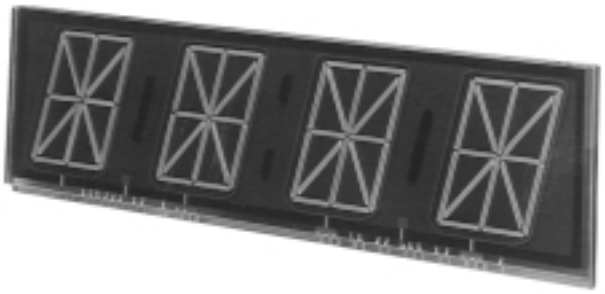
# PD-04A200

Vishay Dale

## Plasma Panel Displays

4 Character, 16 Segment Alphanumeric Display
with 2.00" [50.80mm] High Characters



### FEATURES

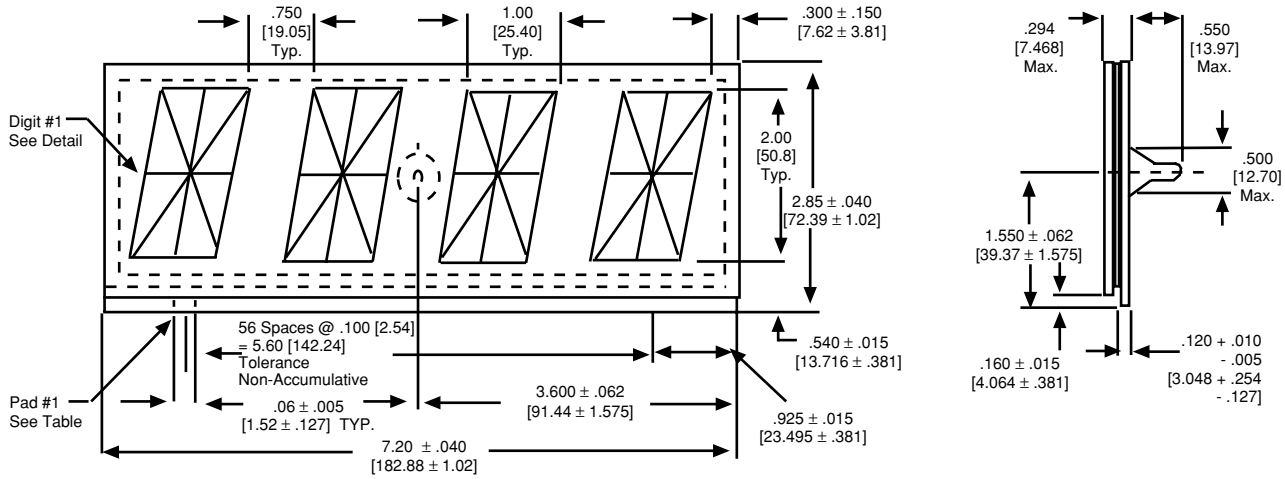
- 200 foot lamberts brightness
- Designed for multiplexed operation
- Edgeboard connection (terminals available as PD-04A200-2)
- End stackable

**SEGMENT DESIGNATION**


### STANDARD ELECTRICAL SPECIFICATIONS

| CHARACTERISTIC @ + 25°C | MINIMUM | TYPICAL | MAXIMUM | NOTES |
|---|---|---|---|---|
| Panel Voltage Drop (at typical cathode current) | 130 VDC | 145 VDC | 170 VDC | |
| Initial Ionization Time (peak cathode voltage - 180) | — | — | 5 sec. | |
| Cathode Segment Current (see drawing for cathode designation) | | | | **Note:** At the specified current, a segment shall glow uniformly over its entire surface with no glow visible on any other part of the panel. † Recommended D.C. keep alive circuit: Use a 1 Megohm resistor in series with cathode and a 1 Megohm resistor in series with anode connected to a 200 VDC source. |
| Segments a, b, p, l, f and e | 2.5 mA | 4.3 mA | 8.7 mA | |
| Segments c, d, g, h, i, j, k, m, n and o | 5.0 mA | 8.6 mA | 17.5 mA | |
| Keep Alive † | 25 µA | 50 µA | 75 µA | |
| Source Voltage * | - 180 VDC | - 200 VDC | - 220 VDC | * Voltage referenced to anode on voltage. |
| Anode Off Voltage * | - 35 VDC | - 100 VDC | - 120 VDC | |
| Cathode Off Voltage * | - 35 VDC | - 100 VDC | - 120 VDC | |
| Digit Period | 80 µsec. | 1250 µsec. | 2500 µsec. | |
| Cathode Blanking Interval | 20 µsec. | 100 µsec. | — | |
| Cathode Blanking Overlap | 10 µsec. | 50 µsec. | — | **Note:** Operating limits do not apply simultaneously, e. g., operation at maximum current may require a longer blanking interval than the minimum specified. |
| Display Scan Period | .32 msec. | 5 msec. | 10 msec. | |
| Number of Anodes per Scan | — | 4 | — | |

### DIMENSIONS in inches [millimeters]




### ORDERING INFORMATION

| DESCRIPTION | PART NUMBER |
|---|---|
| Display with Edgeboard Type Connection | PD-04A200 |
| Display with Attached Terminals (Solderable) | PD-04A200-2 |

# Disclaimer

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