

# SEVEN SEGMENT DIGITAL FLUORESCENT DISPLAY

## TYPE Y-4075

The readout tube provides a bright, sharp display of numerals at low drive and power levels at a very fast speed. Numbers are displayed by excitation of phosphor-screened segments, which are energized by electrons emitted by a directly heated cathode.

## FEATURES

1. Driven by a 7447 BCD to seven segment Decoder/Driver.
2. Total power requirements of less than 175 MW.
3. Fluorescent segments are mounted on a single substrate for extra durability in portable applications.
4. Highly visible blue-green color. Easy on the eye.
5. Typical light output of 200 foot lamberts at 25 volts D.C.
6. Maximum allowable segment voltage is 35 volts D.C.

|                    | UNIT       | SEG. V. | FIL. V. | MIN. | NOM. | MAX. |
|--------------------|------------|---------|---------|------|------|------|
| Filament current   | MA, AC/DC  | 27      | 1.2     | 35   | 40   | 45   |
| Cathode current    | MA, D.C.   | 27      | 1.2     | —    | 4.0  | 9.0  |
| Segment current    | MA, D.C.   | 27      | 1.2     | —    | 0.5  | 1.5  |
| Average brightness | Ft/lambert | 27      | 1.2     | 100  | 200  | —    |

