Dieter’s

Nixie Tube Data Archive

This file is a part of Dieter's Nixie- and display tubes data archive

If you have more datasheets, articles, books, pictures or other information about Nixie tubes or other display devices please let me know.
Thank you!

Document in this file	Unknown Catalog Page: Tung-Sol's Digivac Readouts DT1705E, DT1705D
Display devices in this document	DT1705E, DT1705D

File created by Dieter Waechter
www.tube-tester.com

TUNG-SOL's
DT1705E

DIGIVAC READOUTS

The only real MOBILE EQUIPMENT READOUT!

PARALLAX FREE Digivac S/G readouts are vacuum fluorescent devices designed for low signal-level applications. The seven-segment display forms characters in a single viewing plane. Characters are of inherently uniform brightness that is highly stable. The parallax-free viewing angle, with visibility in excess of 40 feet, means surer, faster reading. Segmented readouts are almost universally used in commercial and military aircraft and space vehicles where accurate, split-second reading is frequently necessary.

HIGH SPEED Digivac S/G readouts operate in the very high speed range that is characteristic of electron-controlled devices. They respond to signal levels as low as 10 VDC, making them ideal for computer applications.

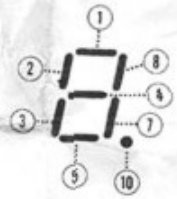
LOW POWER Digivac S/G readouts can be switched reliably with less than 12V, but typical operation for high brightness would be about 25V. Energizing voltage of the cathodes is only 1.6 VAC or DC at 45 ma. This and the low actuating power, results in extremely low temperatures and long life—ideal for I.C. logic/drivers and FET's.

RELIABLE Long-life construction assures high reliability. Filament operating temperature is very low compared to "conventional" tubes and lamps. The high vacuum is gettered for additional long-term protection. High voltages are never applied to the readout. Anode dissipation and total dissipation are extremely low as are the accelerating potentials which holds phosphor bombardment at low energy. Basic construction is mechanically quite simple.

ECONOMICAL Low voltage and low power requirements of Digivac S/G readouts make them compatible with a wide selection of commercially available IC logic packages.

EYE-EASE GREEN The very-low-persistence phosphor used in Digivac S/G readouts displays a highly visible, but easy to look at, pale blue-green. With appropriate filtering, other colors may be obtained from the same readout. (see other side.)

PIN CONNECTIONS



DT1705D

1. Segment
2. Segment
3. Segment
4. Segment
5. Segment
6. Filament
7. Segment
8. Segment
9. Filament
10. Decimal

*Both pins 2 and 3 must be energized to form the plus sign.

Only 2.95

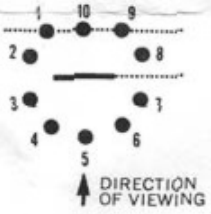
Buy 3 — Take 10% Discount!

7-SEGMENT ALPHA NUMERIC

The new vacuum fluorescent—brighter and more visible than any other readout. Color easy to see pale 'BLUE-GREEN'. Change color with proper filtering. High speed! High reliability! 0-to-9 numerals, 14 letters, with decimal point. Compatible with 7400 Series IC's. Use SN7446 as 7-segment BCD-to-decoder driver. Filament voltage 1.5 volts AC/DC (Dcell) 45 mils. 22V DC 0.5 mils per segment (4—9 volt transistor batteries). A SELF-POWERED READOUT! Character size: .360x.570. Pins, 10.

Cat. No. 92CU1324

DISPLAY ORIENTATION (TOP VIEW)



(Plane of display is parallel to plane of pins 1 and 9.)