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	Burroughs datasheet: 6844A Nixie tube
Display devices in	6844, 6844A, B13B, BD-302, HSK-106-R6
this document	

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

NUMERICAL INDICATOR



engineering data report 6844A

(BD-302) NIXIE*

The 6844A (BD-302) is an improved version of the type 6844. This tube is a gas-filled, cold cathode, 10-digit ("O" through "9"), numerical indicator tube, having a common anode with a suppressor screen to minimize darkening of the viewing dome. This tube features a cup design providing a non-glare background. It is intended for use as a direct in-line read-out device.

MECHANICAL DATA (SEE FIGURE 1)

Overall Length	1.380" Max.
Seated Height	1.125" Max.
Bulb Diameter	
Envelope Connections	See Figure 2
Height of Numerals	
Numerical Design (Human Engineering)	See Figure 3
Socket, 13-Pin	
(#HSK-106 or HSK-112)	See Figure 4
Weight	1 oz. Max.
Mounting Position	See Note 1
Cathode(s)	Glow Discharge
Shock	350 G's (30° Hammer)
Vibration	10 G's, 60 Cps.
Temperature	
Altitude	70,000 Feet

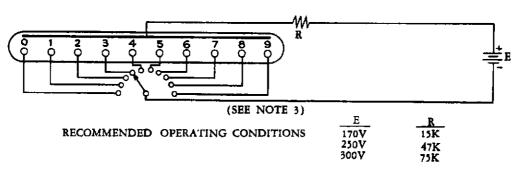
ELECTRICAL DATA

1. ABSOLUTE RATINGS:

Anode Current1.5 MA Min.

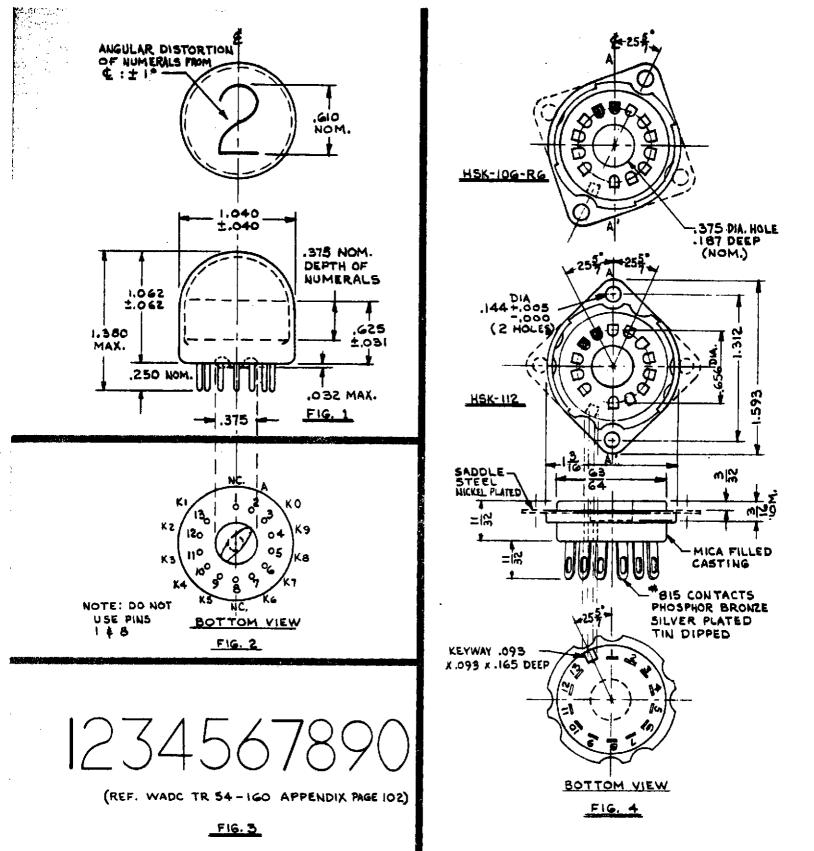
2.5 MA Max.

TYPICAL CIRCUIT



NOTES

- (1) The tube socket is oriented with respect to the viewing position so that A A', intersecting the center of Pins 1 and 8 is vertical with Pin 8 on top. This orients the numerals in the correct vertical position. The numbers are viewed through the top of the tube.
- (2) From +30° C, to +70° C., no significant change in cathode current occurs. From +30° C. to -65° C, an increase in cathode (Up to 50%) may be expected.
- (3) Recommend highest voltage available be selected with corresponding series resistor.



Electronic Tube Division

BURROUGHS CORPORATION

Plainfield, New Jersey

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