

6844A

(BD-302) NIXIE*

NUMERICAL INDICATOR

Type 6844A (BD302)

ELECTRICAL DATA

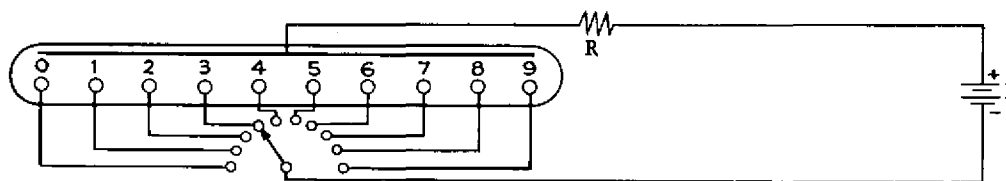
1. ABSOLUTE RATINGS:

Ionization Voltage	170 Vdc Minimum
Anode Current	
Peak	4.0 MA
Average	2.5 MA Max.
Individual Cathode Wattage	0.4 Watts Max.

2. TEST CONDITIONS: (See Typical Circuit)

Anode Supply Voltage 170 Vdc
Anode Series Resistor 15 K Ohms
Anode Current 1.5 MA Min.
 2.5 MA Max.

TYPICAL CIRCUIT



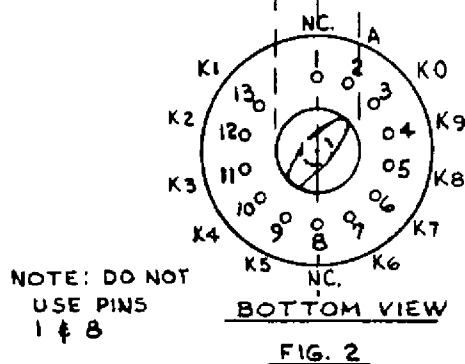
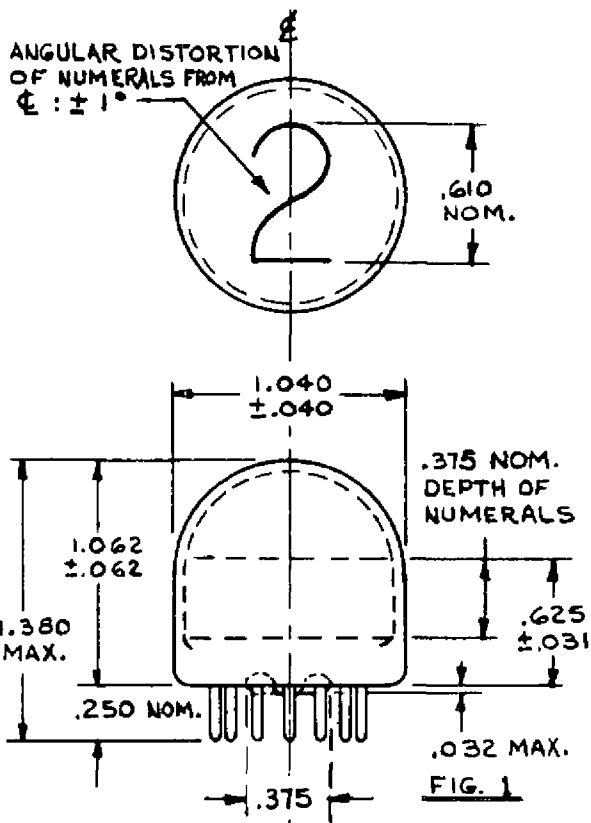
(SEE NOTE 3)

RECOMMENDED OPERATING CONDITIONS

E	R
170V	15K
250V	47K
300V	75K

NOTES

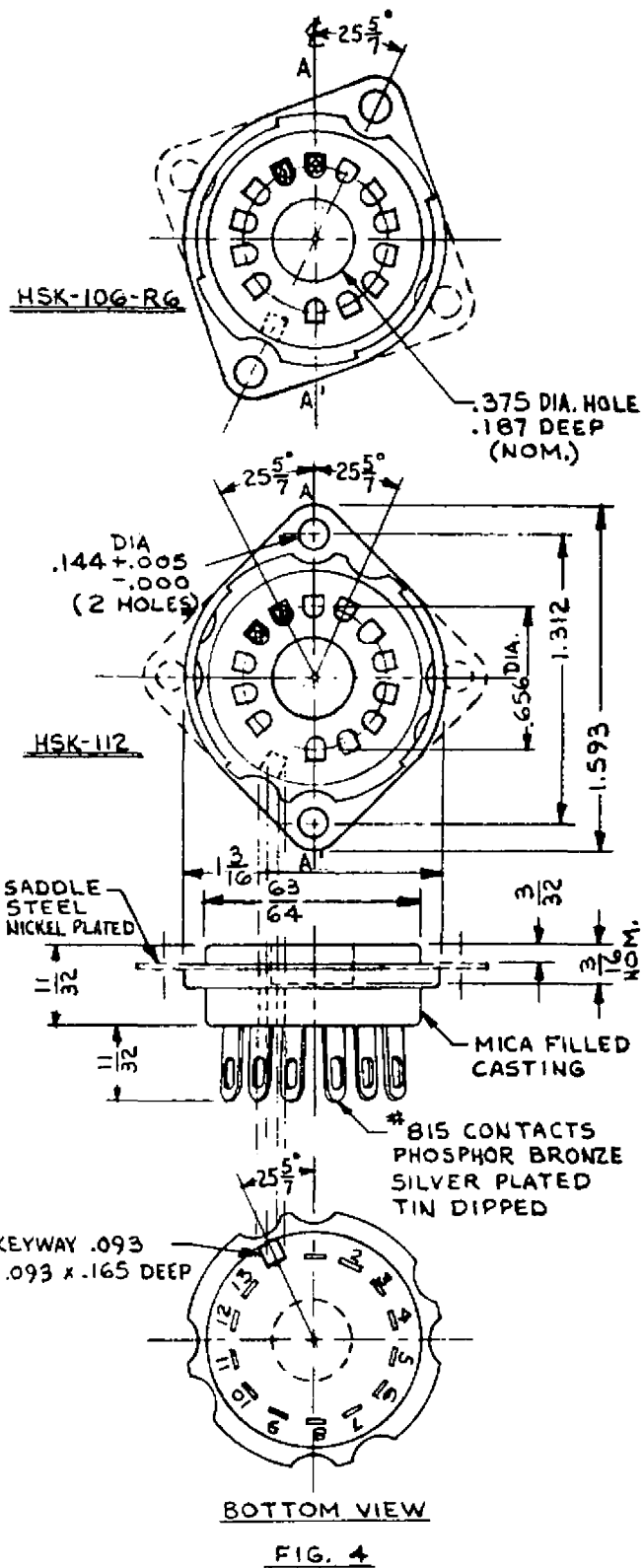
- (1) The tube socket is oriented with respect to the viewing position so that A — A', intersecting the center of Pins 1 and 8 is vertical with Pin 8 on top. This orients the numerals in the correct vertical position. The numbers are viewed through the top of the tube.
- (2) From +30° C. to +70° C.,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



1234567890

(REF. WADC TR 54-160 APPENDIX PAGE 102)

FIG. 3



Electronic Tube Division

BURROUGHS CORPORATION

Plainfield, New Jersey

AN APPLICATIONS ENGINEERING DEPARTMENT,
OFFERING ENGINEERING SERVICE AND CONSULTATION,
HAS BEEN SET UP TO ASSIST YOU IN TAKING FULL ADVANTAGE
OF THIS DEVICE. WRITE FOR FURTHER INFORMATION.