

NATIONAL UNION TYPE 6AD6G TUNING INDICATOR

Indirectly-heated Cathode

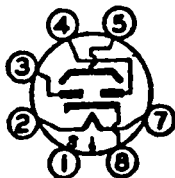
Heater Voltage	.....	6.3 volts
Heater Current	.....	0.15 amp.
Target Voltage	100	150 max. volts
Control Electrode—shadow closed	45 approx.	75 volts
Control Electrode—90° shadow	0 approx.	8 volts
Control Electrode—135° shadow	-23 approx.	-50 volts
Target Current—shadow closed	1.5 approx.	3.0 ma.
Target Current—90° shadow	1.0 approx.	2.0 ma.
Target Current—135° shadow	0.8 approx.	1.2 ma.

Mechanical Data:

Max. Overall Length	.....	2-7/8"
Max. Bulb Diameter	.....	1-3/16"
Max. Base Diameter	.....	1-5/16"
Bulb	.....	T-9
Base—Metal Shell	.....	Small Octal 7-Pin

Basing:

- Pin No. 1—No Connection
- Pin No. 2—Heater
- Pin No. 3—Control Electrode 1
- Pin No. 4—Control Electrode 2
- Pin No. 5—Target
- Pin No. 7—Heater
- Pin No. 8—Cathode



BASE—Bottom View

National Union Type 6AD6G is a small cathode-ray tuning indicator tube. It is comprised of an indirectly-heated cathode, two ray control electrodes and a target. The two control electrodes are alike and thus two symmetrical patterns are produced on the target when the control electrodes are actuated directly from the same control voltage. One simple and inexpensive arrangement for utilizing the 6AD6G is indicated in the circuit below. Here the voltage on the control electrodes varies in accordance with the plate current of the I.F. amplifier tube, which current is directly governed by the A.V.C. voltage.

