

NATIONAL UNION TYPE 6AE6G SINGLE GRID, TWIN PLATE CONTROL TUBE

Indirectly-heated Cathode

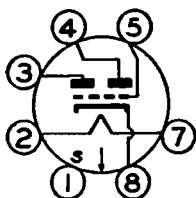
Heater Voltage	_____	6.3 volts
Heater Current	_____	0.3 amp.
Plate No. 1 (Remote Cutoff)		
Plate Voltage	_____ 250 250 250	250 volts
Grid Voltage	_____ -35 -15 -6	-1.5 volts
Plate Current	_____ 0.01 0.8 2.8	6.5 ma.
Mutual Conductance	_____	1000 μ mhos
Amplification Factor	_____	25
Plate No. 2 (Sharp Cutoff)		
Plate Voltage	_____ 250	250 volts
Grid Voltage	_____ -9.5	-1.5 volts
Plate Current	_____ 0.01	4.5 ma.
Mutual Conductance	_____	950 μ mhos
Amplification Factor	_____	33

Mechanical Data:

Max. Overall Length	_____	4-1/4"
Max. Diameter	_____	1-9/16"
Bulb	_____	ST-12
Base	_____	Small Octal 7-Pin

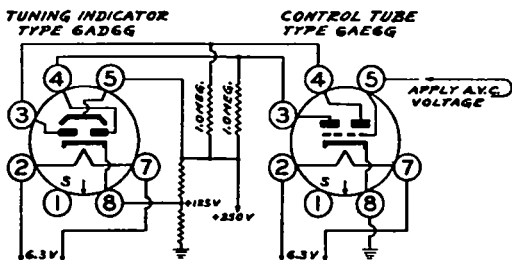
Basing:

- Pin No. 1—No Connection
- Pin No. 2—Heater
- Pin No. 3—Plate No. 1—Remote Cutoff
- Pin No. 4—Plate No. 2—Sharp Cutoff
- Pin No. 5—Grid
- Pin No. 7—Heater
- Pin No. 8—Cathode



7AH

BASE—Bottom View



National Union Type 6AE6G is a special-purpose tube primarily intended for use as a control tube in conjunction with cathode-ray tuning indicator tube Type 6AD6G. One arrangement for its use is indicated in the circuit above. This arrangement results in a tuning indicator system which is very sensitive to weak signals and yet gives good indication on the strongest of local signals.