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 volts
Grid Voltage ...................................................... -1.5 volts
Plate Current ............................................... 0.01 0.8 2.8
Mutual Conductance ........................................ 1000 µmhos
Amplification Factor ............................................ 25

Plate No. 2 (Sharp Cutoff)
Plate Voltage ............................................... 250 volts
Grid Voltage ...................................................... -1.5 volts
Plate Current ............................................... 0.01 4.5 ma
Mutual Conductance ........................................ 950 µmhos
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

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.