



6AQ5

BEAM POWER AMPLIFIER

MINIATURE TYPE

6AQ5

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage 6.3 ac or dc volts
 Current 0.45 amp

Direct Interelectrode Capacitances (Approx.):**

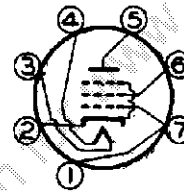
Grid No.1 to Plate. 0.35 μ f
 Input 8.3 μ f
 Output. 8.2 μ f

** with no external shield.

Mechanical:

Mounting Position Any
 Maximum Overall Length. 2-5/8"
 Maximum Seated Length 2-3/8"
 Length from Base Seat to Bulb Top (Excluding tip) 2" \pm 3/32"
 Maximum Diameter. 3/4"
 Bulb. T-5-1/2
 Base. Small-Button Miniature 7-Pin (JETEC No. E7-1)
 Basing Designation for BOTTOM VIEW. 7BZ

Pin 1 - Grid No.1
 Pin 2 - Cathode,
 Grid No.3
 Pin 3 - Heater



Pin 4 - Heater
 Pin 5 - Plate
 Pin 6 - Grid No.2
 Pin 7 - Grid No.1

AF POWER AMPLIFIER - Class A1

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE 250 max. volts
 GRID-No.2 VOLTAGE 250 max. volts
 PLATE DISSIPATION 12 max. watts
 GRID-No.2 INPUT 2 max. watts
 PEAK HEATER-CATHODE VOLTAGE:
 Heater negative with respect to cathode 90 max. volts
 Heater positive with respect to cathode 90 max. volts
 BULB TEMPERATURE (At hottest point)*. 250 max. °C

Typical Operation and Characteristics:

Plate Voltage 180 250 volts
 Grid-No.2 (Screen) Voltage. 180 250 volts
 Grid-No.1 (Control-Grid) Voltage. -8.5 -12.5 volts
 Peak AF Grid-No.1 Voltage 8.5 12.5 volts

* High ambient temperature and shielding may necessitate a reduction in operating dissipation. When tube shields are used, it is advisable to paint the inside and outside surfaces of the tube shield a dull black and to provide ventilation slots to reduce operating temperature.

← Indicates a change

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TUBE DEPARTMENT
 RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA