CLASS B TWIN AMPLIFIER

Filament Coated
Voltage 1.4 d-c volts
Current 0.1 amp.
Maximum Overall Length 3-5/16"
Maximum Seated Height 2-3/4"
Maximum Diameter 1-5/16"
Tub T-9
Base Intermed. Sh. Octal 8-Pin
Pin 1 - No Connection
Pin 2 - Filament +
Pin 3 - Plate (Triode T2)
Pin 4 - Grid (Triode T2)
Pin 5 - Grid (Triode T1)
Pin 6 - Plate (Triode T1)
Pin 7 - Filament -
Pin 8 - No Connection
Mounting Position BOTTOM VIEW (G-7AB)

For convenience, one triode unit is identified as T1; the other, T2.
Maximum Ratings Are Design-Center Values

CLASS B POWER AMPLIFIER

Plate Voltage 110 max. volts
Peak Plate Current (per plate) 20 max. ma.

Typical Operation:
Unless otherwise specified, values are for the two units.
Plate-Supply Impedance 0 0* ohms
Effective Grid-Circuit Impedance (per unit) 0 2530** ohms
Plate Voltage 90 90 volts
D-C Grid Voltage 0 0 volts
Peak A-F Grid-to-Grid Voltage 42 48# volts
Zero-Sig. D-C Plate Cur. 2 2 ma.
Max.-Sig. D-C Plate Cur. 14 11 ma.
Peak Grid Cur. (per unit) 5 6 ma.
Effective Load Res. (plate to plate) 12000 12000 ohms
Total Distortion 3 4 %
Power Output 675 350 approx. mw

AMPLIFIER
Each Triode Unit

Characteristics-Class A1 Amplifier:
Plate 90 volts
Grid 0 volts
Amp. Fact. 30
Plate Res. 45000 approx. ohms
Transcond. 675 µmhos
Plate Cur. 1 ma.

* Battery supply.
** At 400 cycles for class B stage, in which the effective resistance per grid circuit is 2500 ohms, and the leakage reactance of the coupling transformer is 155 millihenrys. The driver stage should be capable of supplying the grids of the class B stage with the specified values at low distortion.
# Includes peak voltage drop through the grid circuit impedance.

Indicates a change.

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