**BEAM POWER AMPLIFIER**

**GENERAL DATA**

**Electrical:**
Heater, for Unipotential Cathode:
- Voltage: 50 ac or dc volts
- Current: 0.15 amp

**Mechanical:**
- Mounting Position: Any
- Maximum Overall Length: 4-5/8"
- Seated Length: 3-7/8" + 3/16" - 5/16"
- Maximum Diameter: 1-13/16"
- Bulb: ST-14
- Base: Medium-Shell Octal 7-Pin
- Basing Designation for BOTTOM VIEW: G-7AC

**AF POWER AMPLIFIER - Class A**

**Maximum Ratings, Design-Center Values:**
- PLATE VOLTAGE: 200 max. volts
- GRID-No.2 (SCREEN) VOLTAGE: 135 max. volts
- PLATE DISSIPATION: 12.5 max. watts
- GRID-No.2 INPUT: 1.75 max. watts

**Typical Operation and Characteristics:**
- Plate Voltage: 135 volts
- Grid-No.2 Voltage: 135 volts
- Grid-No.1 (Control-Grid) Voltage: -13.5 volts
- Peak AF Grid-No.1 Voltage: 13.5 volts
- Zero-Signal Plate Current: 58 ma
- Max.-Signal Plate Current: 60 ma
- Zero-Signal Grid-No.2 Current: 3.5 ma
- Max.-Signal Grid-No.2 Current: 11.5 ma
- Plate Resistance (Approx.): 9300 ohms
- Transconductance: 7000 μhos
- Load Resistance: 2000 ohms
- Total Harmonic Distortion: 10%
- Max.-Signal Power Output: 3.6 watts

Curves shown under Type 6Y6-G also apply to the 50C6-G.

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