



50C6-G

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BEAM POWER AMPLIFIER

GENERAL DATA

Electrical:

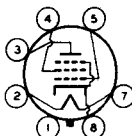
Heater, for Unipotential Cathode:

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

Pin 1-No
Connection
Pin 2-Heater
Pin 3-Plate
Pin 4-Grid No.2



Pin 5-Grid No.1
Pin 7-Heater
Pin 8-Cathode,
Grid No.3

AF POWER AMPLIFIER-Class A₁

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	200	volts
Grid-No.2 Voltage.	135	135	volts
Grid-No.1 (Control-Grid) Voltage	-13.5	-14	volts
Peak AF Grid-No.1 Voltage.	13.5	14	volts
Zero-Signal Plate Current.	58	61	ma
Max.-Signal Plate Current.	60	66	ma
Zero-Signal Grid-No.2 Current.	3.5	2.2	ma
Max.-Signal Grid-No.2 Current.	11.5	9.0	ma
Plate Resistance (Approx.)	9300	18300	ohms
Transconductance	7000	7100	μmhos
Load Resistance.	2000	2600	ohms
Total Harmonic Distortion.	10	10	%
Max.-Signal Power Output	3.6	6.0	watts

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