



6Y6-GA

6Y6-GA BEAM POWER TUBE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage (AC or DC)	6.3	volts
Current	1.25	amp

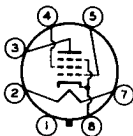
Direct Interelectrode Capacitances (Approx.):^o

Grid No.1 to plate.	0.66	μ f
Grid No.1 to cathode & grid No.3, grid No.2, and heater.	12	μ f
Plate to cathode & grid No.3, grid No.2, and heater.	7.5	μ f

Mechanical:

Operating Position.	Any
Maximum Overall Length.	3-7/8"
Maximum Seated Length	3-5/16"
Diameter.	1.438" to 1.562"
Bulb.	T12
Base.	Medium-Shell Octal 7-Pin (JEDEC Group 1, No.B7-12), or Short Medium-Shell Octal 7-Pin with External Barriers, Style B (JEDEC Group 1, No.B7-119)
Basing Designation for BOTTOM VIEW.7S

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

AMPLIFIER - Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE.	200 max.	volts
GRID-No.2 (SCREEN-GRID) SUPPLY VOLTAGE.	200 max.	volts
GRID-No.2 VOLTAGE.	<i>See Grid-No.2 Input Rating Chart at front of Receiving Tube Section</i>	
GRID-No.2 INPUT: For grid-No.2 voltages up to 100 volts.	1.75 max.	watts
For grid-No.2 voltages between 100 and 200 volts.	<i>See Grid-No.2 Input Rating Chart at front of Receiving Tube Section</i>	
PLATE DISSIPATION.	12.5 max.	watts
PEAK HEATER-CATHODE VOLTAGE: Heater negative with respect to cathode.	180 max.	volts
Heater positive with respect to cathode.	180 max.	volts

^o without external shield.

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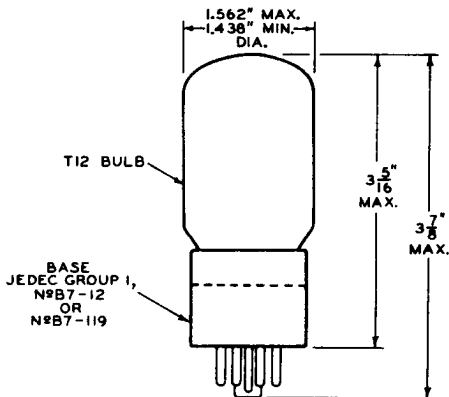
Maximum Circuit Values:

Grid-No.1-Circuit Resistance:

For fixed-bias operation.	1 max.	megohm
For cathode-bias operation.	0.5 max.	megohm

Typical Operation and Characteristics:

Plate Voltage	135	200	volts
Grid-No.2 Voltage	135	135	volts
Grid-No.1 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	ma
Plate Resistance (Approx.)	9300	18300	ohms
Transconductance	7000	7100	μ hos
Load Resistance	2000	2600	ohms
Total Harmonic Distortion	10	10	%
Max.-Signal Power Output	3.6	6	watts



92CS-10248