



35A5-LT

BEAM POWER AMPLIFIER
(TENTATIVE DATA)

HEATER VOLTAGE (A.C. or D.C.)	35	Volts
HEATER CURRENT	0.15	Ampere
MAXIMUM OVERALL LENGTH	3-3/8"	
MAXIMUM DIAMETER	1-1/4"	
BULB	T-9	
BASE	Intermediate wafer Octalox 8-Pin with Sleeve	

Single-Tube Amplifier - Class A₁

OPERATING CONDITIONS and CHARACTERISTICS:

Heater Voltage #	35	Volts
Plate Voltage	110 max.*	Volts
Screen Voltage	110 max.*	Volts
Grid Voltage ##	-7.5	Volts
Peak A-F Grid Voltage	7.5	Volts
Plate Resistance	14000	Ohms
Transconductance	5800	Micromhos
Zero-Signal Plate Current	40	Milliamperes
Max.-Signal Plate Current	41	Milliamperes
Zero-Signal Screen Current	3	Milliamperes
Max.-Signal Screen Current	7	Milliamperes
Load Resistance	2500	Ohms
Total Harmonic Distortion	6.5	Per cent
Power Output	1.5	Watts

- * Design maximum for 117-volt line.
- # Heater to cathode bias should not exceed 90 volts d.c. as measured between the negative heater terminal and cathode.
- ## The type of input coupling should not introduce too much resistance in the grid circuit. Transformer- or impedance-coupling devices are recommended. When the grid circuit has a resistance not higher than 0.1 megohm, fixed bias may be used; for higher values, self-bias is required. With self-bias, the grid circuit may have a resistance not to exceed 0.5 megohm, provided the heater voltage is not allowed to rise more than 10% above the rated value under any condition of operation.

Pin Connections

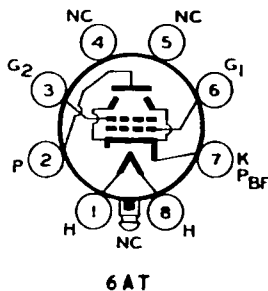
Pin 1 - Heater	Pin 6 - Grid
Pin 2 - Plate	Pin 7 - Cathode
Pin 3 - Screen	Pin 8 - Heater
Pin 4 - No Connection	Plug - No Connection
Pin 5 - No Connection	

(Pin numbers are according to RMA system)

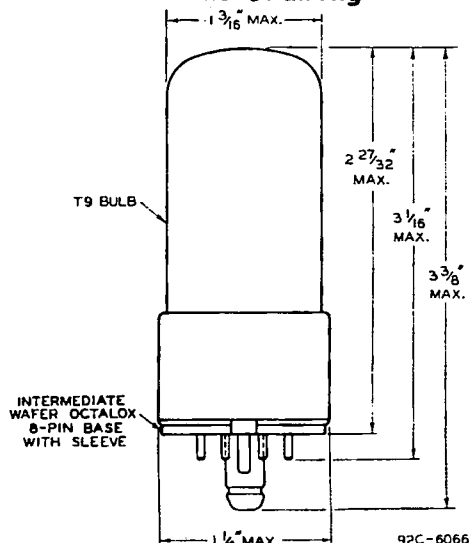
Operating Position

Vertical or Horizontal - No restrictions

Bottom View of
Socket Connections



Outline Drawing



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