



1622

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**BEAM POWER AMPLIFIER***For applications requiring continuity of service*

Heater <sup>■</sup>	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.9	amp.
Direct Interelectrode Capacitances (approx.): <sup>o</sup>		
Grid to Plate	0.4	μf
Input	10	μf
Output	12	μf
Maximum Overall Length		4-5/16"
Maximum Seated Height		3-3/4"
Maximum Diameter		1-9/16" ±1/16" ←
Bulb		Metal Shell, MT-10
Base		Small Wafer Octal 7-Pin
Pin 1 - Shell		Pin 5 - Grid
Pin 2 - Heater		Pin 7 - Heater
Pin 3 - Plate		Pin 8 - Cathode
Pin 4 - Screen		
Mounting Position	BOTTOM VIEW (7AC)	Any

*Maximum Ratings Are Design-Center Values*PUSH-PULL AMPLIFIER

Plate Voltage	300 max. volts
Screen Voltage	250 max. volts
Plate Dissipation	13.8 max. watts
Screen Dissipation	1.4 max. watts

*Typical Operation - Class A<sub>1</sub> Amplifier:**Unless otherwise specified, values are for 2 tubes*

Plate Voltage	300	volts
Screen Voltage	250	volts
D-C Grid Voltage #	-20	volts
Peak A-F Grid-to-Grid Voltage	40	volts
Zero-Sig. Plate Current	86	ma.
Max.-Sig. Plate Current	125	ma.
Zero-Sig. Screen Current	4	ma.
Max.-Sig. Screen Current	10.5	ma.
Load Resistance (plate to plate)	4000	ohms
Total Harmonic Distortion	1	%
Power Output	10	watts

■ The heater voltage should never fluctuate so that it exceeds 7 volts. The potential difference between heater and cathode should be kept as low as possible.

# The type of input coupling used 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, cathode bias is required. With cathode 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.

o With shell connected to cathode.

*Curves under Type 6L5 also apply to the 1622 within the limitations of its maximum ratings.*

← Indicates a change.

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RCA VICTOR DIVISION

DATA

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