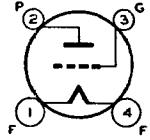


# RCA-50

## POWER AMPLIFIER

The 50 is a power-amplifier tube designed for use primarily in the output stage of an audio-frequency amplifier employing transformer coupling. It is capable of delivering large undistorted power.



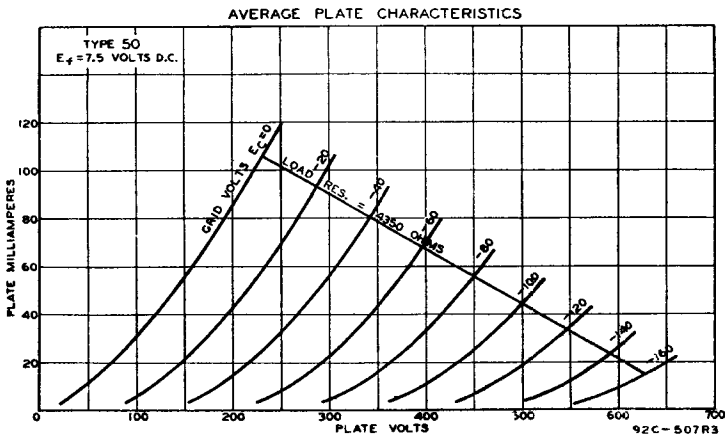
### CHARACTERISTICS

FILAMENT VOLTAGE (A. C. or D. C.)				7.5	Volts
FILAMENT CURRENT				1.25	Amperes
PLATE VOLTAGE	350	400		450 <i>max.</i>	Volts
GRID VOLTAGE*	-63	-70		-84	Volts
PLATE CURRENT	45	55		55	Milliamperes
PLATE RESISTANCE	1900	1800		1800	Ohms
AMPLIFICATION FACTOR	3.8	3.8		3.8	
TRANSCONDUCTANCE	2000	2100		2100	Micromhos
LOAD RESISTANCE	4100	3670		4350	Ohms
SELF-BIAS RESISTOR	1400	1275		1530	Ohms
UNDISTORTED POWER OUTPUT	2.4	3.4		4.6	Watts
BULB					ST-19
BASE					Medium 4-Pin Bayonet

\* Measured from mid-point of a-c operated filament.

### INSTALLATION AND APPLICATION

Refer to INSTALLATION and APPLICATION on type 10. Any conventional type of input coupling may be used provided the resistance added to the grid circuit by this device does not exceed 10000 ohms.





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