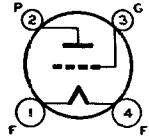


# RCA-20

## POWER AMPLIFIER

The 20 is a power amplifier triode for use in dry-battery operated receivers employing 3.3-volt filament tubes.

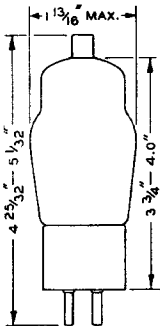


### CHARACTERISTICS

FILAMENT VOLTAGE (D.C.)	3.0- 3.3	Volts
FILAMENT CURRENT	0.125-0.132	Ampere
PLATE VOLTAGE	90 135 max.	Volts
GRID VOLTAGE	-16.5 -22.5	Volts
PLATE CURRENT	3 6.5	Milliamperes
PLATE RESISTANCE	8000 6300	Ohms
AMPLIFICATION FACTOR	3.3 3.3	
TRANSCONDUCTANCE	415 525	Micromhos
LOAD RESISTANCE	9600 6500	Ohms
UNDISTORTED POWER OUTPUT	45 110	Milliwatts
GRID-PLATE CAPACITANCE	4.1	$\mu\text{f}$
GRID-FILAMENT CAPACITANCE	2.0	$\mu\text{f}$
PLATE-FILAMENT CAPACITANCE	2.3	$\mu\text{f}$
BULB		T-8
BASE		Small 4-Pin

*This type is used principally for renewal purposes.*

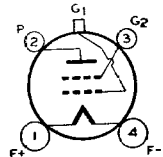
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# RCA-22

## SCREEN-GRID RADIO-FREQUENCY AMPLIFIER

The 22 is a screen grid tube designed particularly for radio-frequency amplification in dry-battery-operated receivers employing 3.3-volt filament tubes.



### CHARACTERISTICS

FILAMENT VOLTAGE (D. C.)	3.3	Volts
FILAMENT CURRENT	0.132	Ampere
PLATE VOLTAGE	135 135 max.	Volts
SCREEN VOLTAGE (Grid No. 2)	45* 67.5† max.	Volts
GRID VOLTAGE (Grid No. 1)	-1.5 -1.5	Volts
PLATE CURRENT	1.7 3.7	Milliamperes
SCREEN CURRENT (Maximum)	0.6 1.3	Milliamperes
PLATE RESISTANCE	725000 325000	Ohms
AMPLIFICATION FACTOR	270 160	
TRANSCONDUCTANCE	375 500	Micromhos
GRID-PLATE CAPACITANCE (With shield-can)	0.02 max.	$\mu\text{f}$
INPUT CAPACITANCE	4.0	$\mu\text{f}$
OUTPUT CAPACITANCE	10	$\mu\text{f}$
BULB		ST-14
CAP		Small Metal
BASE		Medium 4-Pin

\* Maximum value of grid resistor is 5.0 megohms. † Maximum value of grid resistor is 1.0 megohm.

*This type is used principally for renewal purposes.*



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