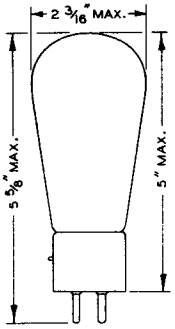
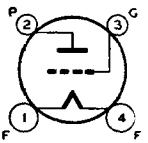


RCA-10

POWER AMPLIFIER OSCILLATOR

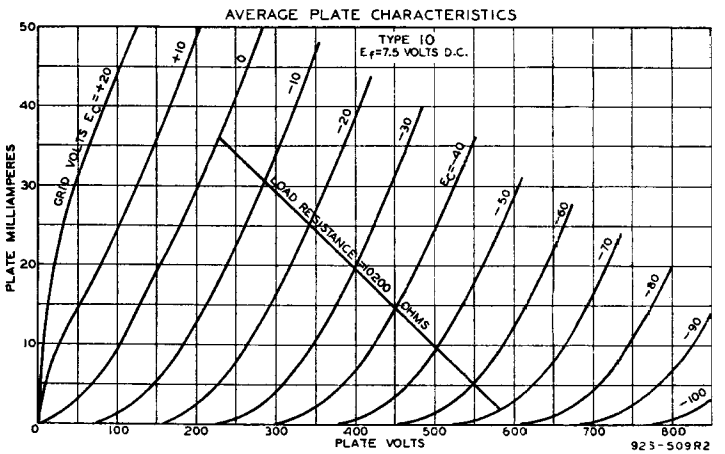


The 10 is a three-electrode, high-vacuum tube suitable for use as an audio-frequency amplifier in equipment designed for its characteristics.

CHARACTERISTICS

Filament Voltage (A. C. or D. C.)			7.5	Volts
Filament Current			1.25	Amperes
Plate Voltage	250	350	425 *max.*	Volts
Grid Voltage*	−23.5	−32	−40	Volts
Plate Current	10	16	18	Milliamperes
Plate Resistance	6000	5150	5000	Ohms
Amplification Factor	8	8	8	
Transconductance	1330	1550	1600	Micromhos
Load Resistance	13000	11000	10200	Ohms
Self-Bias Resistor	2350	2000	2220	Ohms
Undistorted Power Output	0.4	0.9	1.6	Watts
Grid-Plate Capacitance			7	$\mu\mu$f
Grid-Filament Capacitance			4	$\mu\mu$f
Plate-Filament Capacitance			3	$\mu\mu$f
Bulb				S-17
Base				Medium 4-Pin Bayonet

* Grid voltages are given with respect to the mid-point of filament operated on a. c. If d. c. is used, each stated value of grid voltage should be decreased by 5.0 volts and should be referred to the negative end of the filament.

INSTALLATION AND APPLICATION

The **base** pins of the 10 fit the standard four-contact socket which should be installed to hold the tube in a vertical position with the base down. The **filament** of this type is usually operated on a-c, see page 33. As an **audio power amplifier**, the 10 should be operated under conditions as given under CHARACTERISTICS.