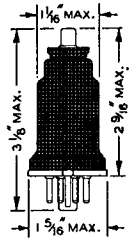
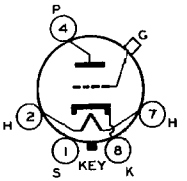


RCA-6F5

HIGH-MU TRIODE



The 6F5 is a high-mu triode of the All-Metal type. It is particularly suitable for use in resistance-coupled amplifier circuits.

CHARACTERISTICS

Heater Voltage (A. C. or D. C.)	6.3	Volts
Heater Current	0.3	Ampere
Plate Voltage	250 *max.*	Volts
Grid Voltage	—2	Volts
Plate Current	0.9	Milliampere
Plate Resistance	66000	Ohms
Amplification Factor	100	
Transconductance	1500	Micromhos
Grid-Plate Capacitance*	2	μμf
Grid-Cathode Capacitance*	6	μμf
Plate-Cathode Capacitance*	12	μμf
Cap		Miniature
Base		Small Wafer Octal 5-Pin

* With shell connected to cathode.

INSTALLATION AND APPLICATION

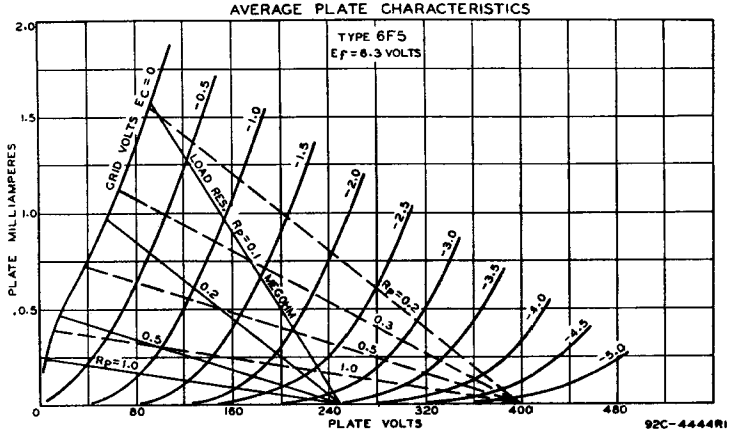
The base pins of the 6F5 fit the standard octal socket which may be mounted to hold the tube in any position. For heater operation and cathode connection, refer to INSTALLATION for type 6A8.

As an amplifier in resistance-coupled a-f circuits, the 6F5 may be operated under conditions given in the Resistance-Coupled A-F Amplifier Section.

In resistance-coupled circuits, the d-c resistance in the grid circuit of the 6F5 should not exceed 1.0 megohm.

When a 6F5 is used to amplify the output of the 6H6 diode, it is recommended that fixed grid bias be employed. Diode-biasing of the 6F5 is not suitable because of the probability of plate-current cut-off, even with relatively small signal voltages applied to the diode circuit.

AVERAGE PLATE CHARACTERISTICS



6F5

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