

RCA Transmitting Tubes

Peak RF Grid Voltage	40	volts
DC Plate Current	7	ma
DC Grid Current	1	ma
Driving Power (Approx.)	0.035	watt
Power Output	0.600	watt

Maximum Circuit Values:

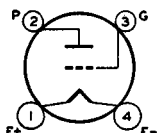
Grid-Circuit Resistance:

For fixed-bias operation	0.1 max	megohm
For cathode-bias operation	0.5 max	megohm

Key-down conditions per tube without amplitude modulation. Amplitude modulation essentially negative may be used if the positive peak of the audio-frequency envelope does not exceed 115 per cent of the carrier conditions.

* Obtained from fixed supply, by grid resistor, by cathode resistor, or by combination methods.

POWER TRIODE

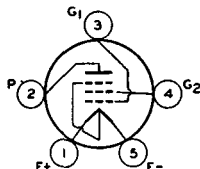


1608

Coated-filament type used as af power amplifier and modulator and as rf power amplifier and oscillator. May be used with full input up to 45 Mc and with reduced input up to 100 Mc. Requires Small four-contact socket and may be mounted in vertical position with base down, or in horizontal position with pins 1 and 4 in vertical plane. OUTLINE 29, *Outlines* Section. Filament volts (ac/dc), 2.5; amperes, 2.5.

Direct interelectrode capacitances: grid to plate, 9 μf ; grid to filament, 8.5 μf ; plate to filament, 3 μf . Maximum CCS ratings as RF POWER AMPLIFIER AND OSCILLATOR: dc plate volts, 425 max; dc grid volts, -200 max; dc plate milliamperes, 95 max; dc grid milliamperes, 25 max; plate input, 40 max watts; plate dissipation, 20 max watts. Plate shows no color when tube is operated at maximum CCS ratings. The 1608 is a DISCONTINUED type listed for reference only.

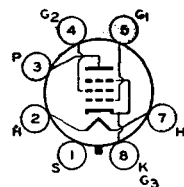
POWER PENTODE



1610

Coated-filament type used as rf power amplifier and oscillator. May be used with full input up to 20 Mc and with reduced input up to 110 Mc. Requires Small five-contact socket and may be mounted in vertical position only, base up or down. OUTLINE 29, *Outlines* Section. Filament volts (ac/dc), 2.5; amperes, 1.75. Direct interelectrode capacitances: grid-No.1 to plate, 1.2 μf ; grid No.1 to filament mid-tap,

grid No.3, and grid No.2, 8.6 μf ; plate to filament mid-tap, grid No.3, and grid No.2, 13 μf . Maximum CCS ratings as RF POWER AMPLIFIER AND OSCILLATOR: dc plate volts, 400 max; dc grid-No.2 volts, 200 max; dc grid-No.1 volts, -100 max; dc plate milliamperes, 30 max; dc grid-No.1 milliamperes, 3 max; plate input, 9 max watts; grid-No.2 input, 2 max watts; plate dissipation, 6 max watts. Plate shows no color when tube is operated at maximum CCS ratings. The 1610 is a DISCONTINUED type listed for reference only.



POWER PENTODE

1613

Heater-cathode type having metal shell used as rf power amplifier and oscillator. May be used with full input up to 45 Mc. For operation at 60 Mc, plate voltage and plate input

should be reduced to 90 per cent of maximum ratings; at 90 Mc, to 85 per cent. Class C Telegraphy maximum CCS plate dissipation, 10 watts. Requires Octal socket and may be mounted in any position. OUTLINE 11, *Outlines* Section.

HEATER VOLTAGE (AC/DC)	6.3	volts
HEATER CURRENT	0.7	ampere
TRANSCONDUCTANCE (For plate current of 31 milliamperes)	2500	μmhos
DIRECT INTERELECTRODE CAPACITANCES:		
Grid No.1 to plate	0.26	μf
Grid No.1 to cathode, grid No.3, grid No.2, shell, and heater	6.5	μf
Plate to cathode, grid No.3, grid No.2, shell, and heater	13.5	μf