RCA-31 POWER AMPLIFIER

Filament Coated
Voltage 2.0 d-c volts
Current 0.130 amp.
Direct Inter-electrode Capacitances:
Grid to Plate 5.7 µf
Grid to Filament 3.5 µf
Plate to Filament 2.7 µf
Maximum Overall Length 4-1/4"
Maximum Diameter 1-9/16"
Bulb ST-12
Base Small 4-Pin
Pin 1-Filament+
Pin 2-Plate
Pin 3-Grid
Pin 4-Filament-

AMPLIFIER (Class A)

Operating Conditions and Characteristics:
Filament 2.0 2.0 d-c volts
Plate 135 180 volts
Grid -225 -30 volts
Amp. Factor 3.8 3.8
Plate Res. 4400 3600 ohms
Mut. Cgnd. 925 1050 mµhos
Plate Cur. 8.0 12.3 ma.
Load Res. 7000 5700 ohms
Self-Bias Res. 2815 2440 ohms
U.P.O. 185 375 mw.

Full or partial self-biasing is to be preferred; required if grid resistor (maximum value 1.0 megohm) is used.

AVERAGE CHARACTERISTICS

TYPE 31
E=2.0 Volts D.C.
PLATE VOLTS=160

AMPLIFIER FACTOR (µ)

PLATE RESISTANCE (RP) OHMS

PLATE MILLIAMPERES

MUTUAL CONDUCTANCE (µm)

MICROMHOS

92S-562R2

JULY 1, 1935

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.