SCREEN GRID R-F AMPLIFIER

RCA-32

FILAMENT
Voltage 2.0
Current 0.040

DIRECT INTERELECTRODE CAPACITANCES:
Grid to Plate (with shield-cant) 0.015 max. µuf
Input 5.3 µuf
Output 10.5 µuf

OVERALL LENGTH
Maximum Diameter 4-25/32" to 5-1/32" 1-13/16" 11-14 SL-14
Bulb Small Metal Medium 4-Fin
Cap Pin 4-Filament +
Base Pin 4-Plate -

AMPLIFIER (Class A)

Operating Conditions and Characteristics:
Filament 2.0 volts
Plate 180 max. volts
Screen 67.5 volts
Grid -3 volts
Ampl. Fct. 610
Plate Res. 0.95 megohms
Mut. Cond. 640
Plate Cur. 1.7 ma.
Screen Cur. 0.4 ma.

Grid-coupling resistor, if used, should not exceed 2.0 megohms.

DETECTOR

Typical Operation: Biased Grid-Leak

Filament 2.0 volts
Plate Supply 180
Screen 67.5 max.
Grid -4.5
Plate Load 0.1
Plate Cur. 0.1 ma.
Grid Condenser 0.00025 µuf

* Or equivalent impedance. In designing circuits to use the 82 as a detector, it is desirable to work from the detector stage directly into the power output stage.

Approximate.

AVERAGE CHARACTERISTICS

TYPE 32
Ez=2.0 VOLTS D.C.
SCREEN VOLTS=85.5

PLATE VOLTAGE (V) 2500 2000 1500 1000 500 0
PLATE CURRENT (mA) 2 1.5 1.0 0.5 0
AMPLITUDE FACTOR (µ) 1000 800 600 400 200 0
PLATE RESISTANCE (Ω) 200 150 100 50 0
MUTUAL CONDUCTANCE (℧) 1000 800 600 400 200 0

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RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.
DATA