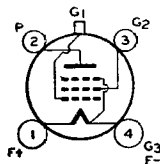
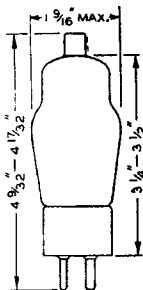


RCA-1A4

SUPER-CONTROL R-F AMPLIFIER PENTODE



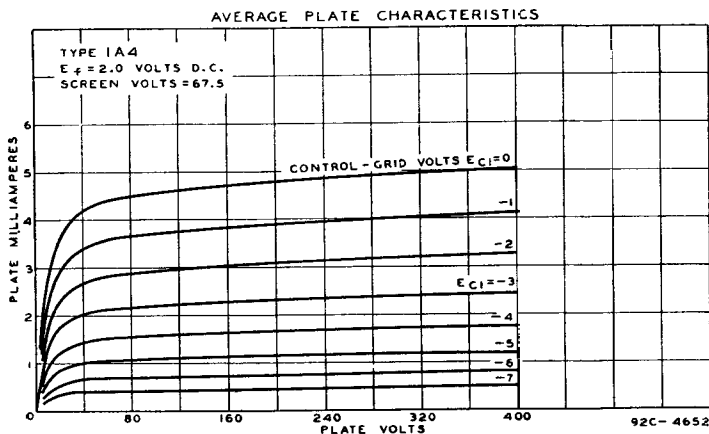
The 1A4 is a super-control pentode of the filament type. It is useful as a radio-frequency amplifier or intermediate-frequency amplifier in battery-operated receivers. The 1A4, although similar in application to type 34, is constructed in a smaller bulb and, because of its less remote cut-off characteristic, requires less B-battery power.

CHARACTERISTICS

| | | |
|--|----------------------|------------------|
| FILAMENT VOLTAGE (D. C.)..... | 2.0 | Volts |
| FILAMENT CURRENT | 0.060 | Ampere |
| PLATE VOLTAGE | 90 180 max. | Volts |
| SCREEN VOLTAGE (Grid No. 2)..... | 67.5 max. 67.5 max. | Volts |
| GRID VOLTAGE (Grid No. 1)..... | -3 min. -3 min. | Volts |
| PLATE CURRENT | 2.2 2.3 | Milliamperes |
| SCREEN CURRENT | 0.9 0.8 | Milliamperes |
| PLATE RESISTANCE (Approx.)..... | 0.6 1.0 | Megohm |
| AMPLIFICATION FACTOR | 425 750 | |
| TRANSCONDUCTANCE | 720 750 | Micromhos |
| TRANSCONDUCTANCE (At -15 volts bias)... | 15 15 | Micromhos |
| GRID-PLATE CAPACITANCE (With shield-can) | 0.007 max. | $\mu\mu\text{f}$ |
| INPUT CAPACITANCE | 5 | $\mu\mu\text{f}$ |
| OUTPUT CAPACITANCE | 11 | $\mu\mu\text{f}$ |
| BULB | | ST-12 |
| CAP | | Small Metal |
| BASE | | Small 4-Pin |

INSTALLATION AND APPLICATION

For INSTALLATION and APPLICATION, refer to type 34.





page

1

2

**1A4
sheet**

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FP

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