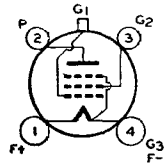


RCA-1A4

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.	μ pf
INPUT CAPACITANCE	5	μ pf
OUTPUT CAPACITANCE	11	μ pf
BULB		ST-12
CAP		Small Metal
BASE		Small 4-Pin

INSTALLATION AND APPLICATION

For INSTALLATION and APPLICATION, refer to type 34.

