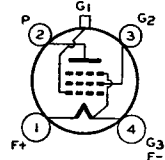


# RCA-1B4

## R-F AMPLIFIER PENTODE



The 1B4 is a pentode of the filament type. It is recommended for use primarily as a radio-frequency amplifier or detector in battery-operated receivers. The 1B4 is similar in application to type 32 but is constructed in a smaller bulb.

### 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 -3	Volts
PLATE CURRENT	1.6 1.7	Milliamperes
SCREEN CURRENT	0.7 0.6	Milliamperes
PLATE RESISTANCE	1 1.5	Megohms
AMPLIFICATION FACTOR	550 1000	
TRANSCONDUCTANCE	600 650	Micromhos
GRID VOLTAGE* (Approx.)	-8 -8	Volts
GRID-PLATE CAPACITANCE (With shield-can)	0.007 max.	$\mu\text{f}$
INPUT CAPACITANCE	5	$\mu\text{f}$
OUTPUT CAPACITANCE	11	$\mu\text{f}$
BULB		ST-12
CAP		Small Metal
BASE		Small 4-Pin

\* For plate current cut-off.

### INSTALLATION AND APPLICATION

For INSTALLATION, refer to type 34; for APPLICATION, refer to type 32.

