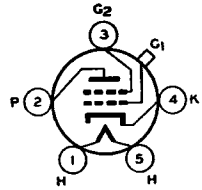


RCA-24-A

SCREEN-GRID RADIO-FREQUENCY AMPLIFIER



The 24-A is a screen-grid amplifier tube of the heater-cathode type for use primarily as a radio-frequency amplifier in a-c receivers. The 24-A may also be used as a screen-grid detector or audio amplifier.

CHARACTERISTICS

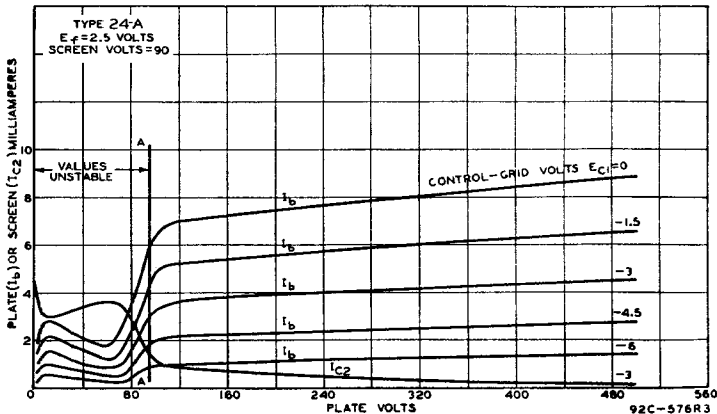
HEATER VOLTAGE (A. C. or D. C.)	2.5	Volts
HEATER CURRENT	1.75	Amperes
PLATE VOLTAGE*	180	250
SCREEN VOLTAGE (Grid No. 2)	90 max.	90 max.
GRID VOLTAGE (Grid No. 1)	-3	-3
PLATE CURRENT	4	4
SCREEN CURRENT (Maximum)	1.7	1.7
PLATE RESISTANCE	0.4	0.6
AMPLIFICATION FACTOR	400	630
TRANSCONDUCTANCE	1000	1050
GRID-PLATE CAPACITANCE (With shield-can)	0.007 max.	μf
INPUT CAPACITANCE		5.3 μf
OUTPUT CAPACITANCE		10.5 μf
BULB		ST-14
CAP		Small Metal
BASE		Medium 5-Pin

* Maximum plate voltage = 275 volts.

INSTALLATION AND APPLICATION

The base pins of the 24-A fit the standard five-contact socket. The socket may be installed to hold the tube in any position. For heater operation and cathode connection, refer to type 2A5. The screen voltage for the 24-A may be obtained from a fixed or variable tap on a voltage divider across the high-voltage supply, or across a portion of the supply. Complete shielding in all stages of the circuit is necessary if maximum gain per stage is to be obtained.

AVERAGE PLATE CHARACTERISTICS





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**24A
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