

7V7
7W7



7V7

SHARP-CUTOFF PENTODE

Plate Current.	10	10	ma
Grid-No.2 Current. . .	3.9	3.9	ma
Plate Resistance . . .	0.3	0.3	megohm
Transconductance . . .	5800	5800	μmhos
Grid-No.1 Bias (Approx.) for plate current of 10 μa.	-8	-16	volts

* Condition I with fixed grid-No.2 supply gives a sharp-cutoff characteristic.

** Condition II with series grid-No.2 resistor gives an extended-cutoff characteristic.

When grid-No.2 supply voltage in excess of 150 volts is used, a series grid-No.2 resistor must be used to limit grid-No.2 voltage to 150 volts when the plate current is at its normal value of 10 ma.

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SHARP-CUTOFF PENTODE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage. 6.3[□] ac or dc volts

Current. 0.45^{□□} amp

Direct Interelectrode Capacitances:[○]

Grid No.1 to Plate . . 0.0025 max. μμf

Input. 9.5 μμf

Output 7 μμf

○ with external shield connected to cathode.

Mechanical:

Mounting Position. Any

Maximum Overall Length 2-25/32"

Maximum Seated Length. 2-1/4"

Maximum Diameter 1-3/16"

Bulb T-9

Base Lock-in 8-Pin

Basing Designation for BOTTOM VIEW 8BJ

Pin 1- Heater		Pin 6- Grid No.1
Pin 2- Plate		Pin 7- Cathode
Pin 3- Grid No.2		Pin 8- Heater
Pin 4- Cathode		Plug - Base
Pin 5- Grid No.3, Internal Shield		Shell

Maximum Ratings, Typical Operation, and Characteristics are the same as for Type 7V7

□ Nominal voltage = 7.0 volts. □□ Nominal current = 0.48 ampere.

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TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA