

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	μ mhos
Grid-No.1 Bias (Approx.) for plate current of			
10 μ a.	-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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GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage.	6.3 [□]	ac or dc volts
Current.	0.45 ^{□□}	amp

Direct Interelectrode Capacitances:[○]

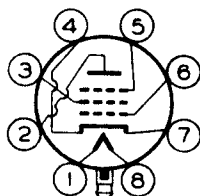
Grid No.1 to Plate . .	0.0025 max.	μ f
Input.	9.5	μ f
Output	7	μ f

[○] 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 2 - Plate
- Pin 3 - Grid No.2
- Pin 4 - Cathode
- Pin 5 - Grid No.3,
Internal
Shield



- Pin 6 - Grid No.1
- Pin 7 - Cathode
- Pin 8 - Heater
- Plug - Base
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