

7Z4



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FULL-WAVE VACUUM RECTIFIER

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage. 6.3[□] ac or dc voltsCurrent. 0.9^{□□} amp

Mechanical:

Mounting Position. Any

Maximum Overall Length. 3-5/32"

Maximum Seated Length. 2-5/8"

Maximum Diameter. 1-3/16"

Bulb T-9

Base Lock-in 8-Pin

Basing Designation for BOTTOM VIEW 5AB

Pin 1 - Heater

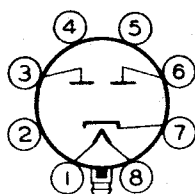
Pin 2 - No

Connection

Pin 3 - Plate No.2

Pin 4 - No

Connection



Pin 5 - No

Connection

Pin 6 - Plate No.1

Pin 7 - Cathode

Pin 8 - Heater

Plug - Base Shell

FULL-WAVE RECTIFIER

Maximum Ratings, Design-Center Values:

PEAK INVERSE PLATE VOLTAGE 1250 max. volts

PEAK PLATE CURRENT PER PLATE 300 max. ma

DC OUTPUT CURRENT. 100 max. ma

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. 450 max. volts

Heater positive with respect to cathode. 450 max. volts

Typical Operation:

	Capacitor- Input to Filter	Choke- Input to Filter	
AC Plate-to-Plate Supply			
Voltage (RMS) . . .	650	900 . .	volts
Min. Total Effective Plate- Supply Impedance per Plate*	75	- . .	ohms
Min. Filter-Input Choke. . . .	-	6 . .	henries
DC Output Current.	100	100 . .	ma
DC Output Voltage at			
Input to Filter (Approx.):			
At half-load (50 ma.). . . .	400	365 . .	volts
At full-load (100 ma.)	365	350 . .	volts
Voltage Regulation (Approx.):			
Half-load to full load current	35	15 . .	volts

* When a filter-input capacitor larger than 40 μ f is used, it may be necessary to use more plate-supply impedance than the minimum value shown to limit the peak plate current to the rated value.

□ Nominal voltage = 7.0 volts.

□□ Nominal current = 0.96 ampere.

DEC. 30, 1947

TUBE DEPARTMENT

DATA

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY