



7Y4

FULL-WAVE VACUUM RECTIFIER

GENERAL DATA

Electrical:

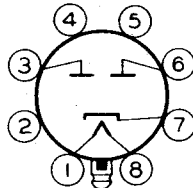
Heater, for Unipotential Cathode:

Voltage. 6.3[□] ac or dc volts
 Current. 0.5^{□□} amp

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 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 180 max. ma
 DC OUTPUT CURRENT. 70 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
Filter-Input Capacitor	4	- . .	μf
Min. Total Effective Plate- Supply Impedance per Plate*	150	- . .	ohms
Min. Filter-Input Choke. . . .	-	10 .	henries
DC Output Current.	70	70 . .	ma
DC Output Voltage at			
Input to Filter (Approx.):			
At half-load (35 ma.). . . .	390	385 . .	volts
At full-load (70 ma.). . . .	355	375 . .	volts
Voltage Regulation (Approx.):			
Half-load to full load current	35	10 . .	volts

* Indicated value for conditions shown will limit peak plate current to maximum rated value. When a filter-input capacitor larger than 4μf is used, it may be necessary to use more plate-supply impedance than the value shown to limit the peak plate current to the rated value.

□ Nominal voltage = 7.0 volts.

□□ Nominal current = 0.53 ampere.

← Indicates a change.

DEC. 30, 1947

TUBE DEPARTMENT

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA