



7Y4

FULL-WAVE VACUUM RECTIFIER

7Y4

GENERAL DATA

Electrical:

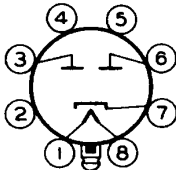
Heater, for Unipotential Cathode:

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:

	<u>Capacitor-</u> <u>Input</u> <u>to Filter</u>	<u>Choke-</u> <u>Input</u> <u>to Filter</u>	
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.

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TUBE DEPARTMENT
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DATA