

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

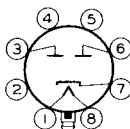
Pin 2 - No

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

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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- Choke-
Input Input
to Filter to Filter

AC Plate-to-Plate Supply
Voltage (RMS) . . . 650 900 . . voltsMin. 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.