



50X6

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VACUUM RECTIFIER-DOUBLER

GENERAL DATA**Electrical:**

Heater, for Unipotential Cathodes:

Voltage. 50 ac or dc volts

Current. 0.150 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 7AJ

Pin 1-Heater

Pin 2-Cathode of

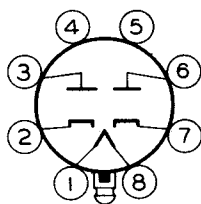
Unit No.2

Pin 3-Plate of

Unit No.2

Pin 4-No

Connection



Pin 5-No Connection

Pin 6-Plate of
Unit No.1Pin 7-Cathode of
Unit No.1Pin 8-Heater
Plug - Base ShellRECTIFIER OR DOUBLER**Maximum Ratings, Design-Center Values:**

PEAK INVERSE PLATE VOLTAGE 700 max. volts

PEAK PLATE CURRENT PER PLATE 450 max. ma

DC OUTPUT CURRENT PER PLATE. 75 max. ma

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. . 350 max. volts

Heater positive with respect to cathode. . 350 max. volts

**Typical Operation as Half-Wave Rectifier with
Capacitor-Input to Filter:^o**

AC Plate-Supply Voltage

per Plate (RMS) . . . 117 150 235 volts

Filter-Input Capacitor 16 16 16 μ f

Min. Total Effective Plate-

Supply Impedance per Plate . . . 15 40 100 ohms

DC Output Current per Plate. . . . 75 75 75 ma

Typical Operation as Voltage Doubler:Half-Wave Full-Wave

AC Plate-Supply Voltage

per Plate (RMS) . . . 117 117 volts

Filter-Input Capacitor

per Plate . . . 16 16 μ f

Min. Total Effective Plate-

Supply Impedance per Plate . . 30 15 ohms

DC Output Current. 75 75 ma

^o In half-wave rectifier service, the two units may be used separately or in parallel.