



50X6

VACUUM RECTIFIER-DOUBLER

50X6

GENERAL DATA

Electrical:

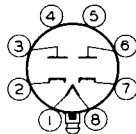
Heater, for Unipotential Cathodes:

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.1
Pin 7-Cathode of Unit No.1
Pin 8-Heater Plug -Base Shell

RECTIFIER 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: 0

AC Plate-Supply Voltage per Plate (RMS) . . . 117 150 235 volts
Filter-Input Capacitor . . . . . 16 16 16 uf
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:

AC Plate-Supply Voltage per Plate (RMS) . . . 117 117 volts
Filter-Input Capacitor per Plate . . . 16 16 uf
Min. Total Effective Plate-Supply Impedance per Plate . . 30 15 ohms
DC Output Current. . . . . 75 75 ma

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