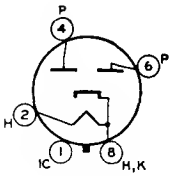
5AR4/ GZ34

FULL-WAVE VACUUM RECTIFIER



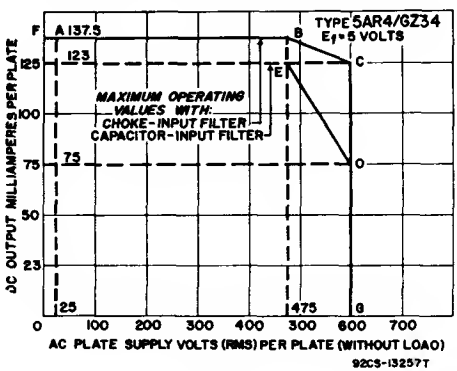
5DA

Glass octal type used in power supply of television receivers and other equipment having high dc requirements. **Outlines section,** 13F; requires octal socket. It is especially important that this tube, like other power-handling tubes, be adequately ventilated. Heater: volts (ac/dc), 5; amperes, 1.9.

Full-Wave Rectifier

MAXIMUM RATINGS (Design-Maximum Values)			
Peak Inverse Plate Voltage		1700	volts
Peak Plate Current (Per Plate)		825	mA
Hot-Switching Transient Plate Current (Per Plate)		3.7	amperes
AC Plate-Supply Voltage (Per Plate, rms, without load)		See Rating Chart	
Average Output Current (Per Plate)		See Rating Chart	
TYPICAL OPERATION WITH CAPACITOR INPUT TO FILTER			
AC Plate-to-Plate Supply Voltage (rms)	450	550	volts
Effective Plate-Supply Impedance per Plate	160	200	ohms
Average Output Current	225	160	mA
DC Output Voltage at Input to Filter	475	620	volts
TYPICAL OPERATION WITH CHOKE INPUT TO FILTER			
AC Plate-to-Plate Supply Voltage (rms)	450	550	volts
Filter Input Choke	10	10	henries
Average Output Current	250	225	mA
DC Output Voltage at Input to Filter	375	465	volts
CHARACTERISTICS, Instantaneous Value			
Tube Voltage Drop for plate current of 225 mA (Per Plate)	—	17	volts

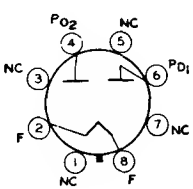
RATING CHART



5AS4 Refer to chart at end of section.

5AS4A

FULL-WAVE VACUUM RECTIFIER



5T

Glass octal type used in power supplies of television receivers having high dc requirements. **Outlines section,** 19D; requires octal socket. This type may be supplied with pins 3, 5, and 7 omitted. Vertical mounting is preferred, but horizontal mounting is permissible if pins 1 and 4 are in vertical plane. It is especially important that this tube, like other power-handling tubes, be adequately ventilated. Heater: volts (ac), 5; amperes, 3. For maximum ratings, typical operation, and curves, refer to type 5U4GB.