

Refer to chart at end of section.

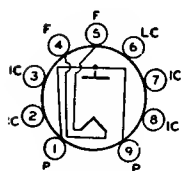
1U5

Refer to chart at end of section.

IV

HALF-WAVE VACUUM RECTIFIER

1V2



9U

Miniature type used as a doubler in high-voltage pulse rectifier circuits of black-and-white television receivers and as a focus rectifier in color television receivers. The very low power required by the filament permits the use of a rectifier transformer having small size and light weight. Outlines section, 6B; requires miniature 9-contact socket.

Filament Voltage (ac)	0.625*	volt
Filament Current	0.3	ampere
Direct Interelectrode Capacitance:		
Plate to Filament (Approx.)	0.8	pF

* Under no circumstances should the filament voltage be less than 0.525 volt or greater than 0.725 volt.

Pulsed Rectifier

For operation in a 525-line, 30-frame system

MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage#	8250*	volt
Peak Plate Current	11	mA
Average Plate Current	0.6	mA

Pulse duration must not exceed 15% of a horizontal scanning cycle (10 microseconds).

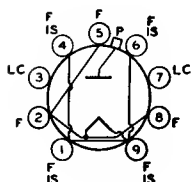
* The dc component must not exceed 7000 volts.

Refer to chart at end of section.

1X2A

Refer to chart at end of section.

1X2B
1X2B/1X2A



9Y

HALF-WAVE VACUUM RECTIFIER

1X2C

Miniature type used as a rectifier in high-voltage pulse circuits of black-and-white television receivers and as a focus rectifier in color television receivers. Outlines section, 7A; requires miniature 9-contact socket. Socket terminals 3 and 7 may be used as tie points for components at or near filament potential. For high-voltage and X-ray safety considerations, refer to page 93.

Filament Voltage (ac)	1.25	volts
Filament Current	0.2	ampere
Direct Interelectrode Capacitance:		
Plate to Filament and Internal Shield (Approx.)	1	pF

Flyback Rectifier

For operation in a 525-line, 30-frame system

MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage#	22000*	volts
Peak Plate Current	45	mA
Average Plate Current	0.5	mA
Filament Voltage:		
Absolute-maximum value	1.45	volts
Absolute-minimum value	1.05	volts

CHARACTERISTIC, Instantaneous Value

Tube Voltage Drop for plate current of 7 mA	80	volts
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