

Pulsed Rectifier

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

MAXIMUM RATINGS (Design-Maximum Values)

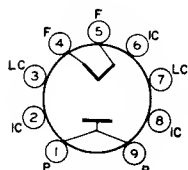
Peak Inverse Plate Voltage#	30000•	volts
Peak Plate Current	80	mA
Average Plate Current	1.5	mA

CHARACTERISTICS, Instantaneous Value

Tube Voltage Drop for plate current of 7 mA	100	volts
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Pulse duration must not exceed 15% of a horizontal scanning cycle (10 microseconds).

• The dc component must not exceed 24000 volts.



9U

HALF-WAVE VACUUM RECTIFIER

2AV2

Miniature type used as a high-voltage, low-current pulse-operated focus rectifier in color television receivers. The filament of the tube can be operated directly across the filament winding of the horizontal-output transformer without a series voltage-dropping resistor. Outlines section, 6B; requires miniature 9-contact socket.

Filament Voltage (ac)	1.8	volts
Filament Current	0.225	ampere
Direct Interelectrode Capacitance (Approx.):		
Plate to Filament	0.8	pF

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Peak Inverse Plate Voltage#	8250**	volts
Peak Plate Current	50	mA
Average Plate Current	0.6	mA

CHARACTERISTICS, Instantaneous Value

Tube Voltage Drop for plate current of 1 mA	20	volts
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Pulse duration must not exceed 15% of a horizontal scanning cycle (10 microseconds).

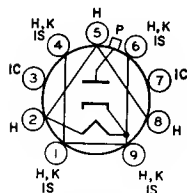
** Under no circumstances should this absolute value be exceeded; the dc component must not exceed 7000 volts.

Refer to chart at end of section.

2B7

HALF-WAVE VACUUM RECTIFIER

2BJ2



9RT

Miniature type used as a rectifier in high-voltage pulse circuits of transistorized black-and-white television receivers. Outlines section, 7A; requires miniature 9-contact socket. Socket terminals 3 and 7 should not be used as tie points for external-circuit connections. For high-voltage and X-ray safety considerations, refer to type 1G3GT/1B3GT.

Heater Voltage (ac/dc)	2.3	volts
Heater Current	0.3	ampere
Direct Interelectrode Capacitance:		
Plate to Cathode, Heater, and Internal Shield	1	pF

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MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage#	20000	volts
Peak Plate Current	80	mA
Average Plate Current	1	mA

CHARACTERISTICS, Instantaneous Value

Tube Voltage Drop for plate current of 7 mA	80	volts
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Pulse duration must not exceed 15% of a horizontal scanning cycle (10 microseconds).