

and X-ray safety considerations, refer to type 1G3GT/1B3GT.

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

* Under no circumstances should the filament voltage be less than 1.05 volts or greater than 1.45 volts.

Pulsed 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

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 18000 volts.

2A3

Refer to chart at end of section.

2A5

Refer to chart at end of section.

2A6

Refer to chart at end of section.

2A7

Refer to chart at end of section.

2AF4A

Refer to chart at end of section.

2AF4B

Refer to chart at end of section.

2AF4B/2DZ4

Refer to type 6AF4A.

2AH2

HALF-WAVE VACUUM RECTIFIER

Duodecar type used as a rectifier in high-voltage pulse circuits of black-and-white television receivers. Outlines section, 9A; requires duodecar 12-contact socket. Socket terminals 4 and 10 may be used as tie points for components at or near heater potential. For high-voltage and X-ray safety considerations, refer to type 1G3GT/1B3GT. Heater: volts (ac/dc), 2.5; amperes, 0.3.

Pulsed Rectifier

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

MAXIMUM RATINGS (Design-Maximum Values)

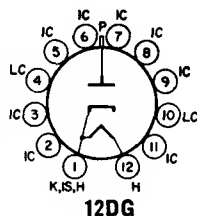
Peak Inverse Plate Voltage#	30000*	volts
Peak Plate Current	80	mA
Average Plate Current	1.5	mA

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.

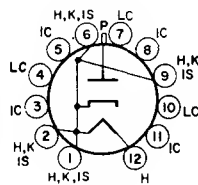


12DG

2AS2

HALF-WAVE VACUUM RECTIFIER

Duodecar type used as a rectifier in high-voltage pulse circuits of black-and-white television receivers. Outlines section, 9B; requires duodecar 12-contact socket. Socket terminals 4, 7, and 10 may be used as tie points for components at or near heater potential. For high-voltage and X-ray safety considerations, refer to type 1G3GT/1B3GT. Heater: volts (ac/dc), 2.5; amperes, 0.33.



12EW

Pulsed Rectifier

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

MAXIMUM RATINGS (Design-Maximum Values)

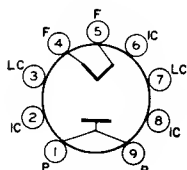
Peak Inverse Plate Voltage#	30000•	volts
Peak Plate Current	80	mA
Average Plate Current	1.5	mA

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

Pulsed Rectifier

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

MAXIMUM RATINGS (Design-Maximum Values)

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).

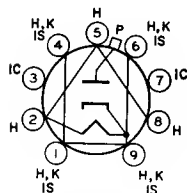
** Under no circumstances should this absolute value be exceeded; the dc component must not exceed 7000 volts.

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

Pulsed Rectifier

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

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).