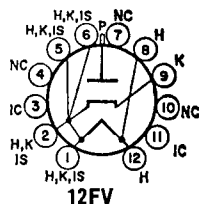


3AT2B**HALF-WAVE
VACUUM RECTIFIER**

Duodecar type used as a high-voltage rectifier to supply power to the anode of the television picture tube. **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 filament potential. For high-voltage and X-ray safety considerations, refer to page 93. **Heater:** volts (ac/dc), 3.15; ampere, 0.22.

**Flyback Rectifier**

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

MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage#	38000*	volts
Peak Plate Current	88	mA
Average Plate Current	1.7	mA
Heater Voltage:		
Absolute-maximum value	3.65	volts
Absolute-minimum value	2.65	volts

CHARACTERISTIC, Instantaneous Value

Tube Voltage Drop for plate current of 7 mA	60	volts
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X-RADIATION CHARACTERISTIC

X-Radiation, Maximum:		
Statistical value controlled on a lot sampling basis	25	mR/hr

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

* The dc component must not exceed 30000 volts.

Caution—Operation of this tube outside of the maximum values indicated above may result in either temporary or permanent changes in the X-radiation characteristic of the tube. Equipment design must be such that these maximum values are not exceeded.

3AU6

Refer to type 6AU6A.

3AV6

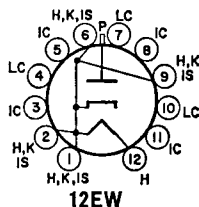
Refer to chart at end of section.

3AW2

Refer to chart at end of section.

3AW2A**HALF-WAVE
VACUUM RECTIFIER**

Duodecar type used as a high-voltage rectifier to supply power to the anode of the picture tube in color and 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 at or near heater potential. For high-voltage and X-ray safety considerations, refer to page 93. **Heater:** volts (ac/dc), 3.15; ampere, 0.35.

**Pulsed Rectifier**

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

MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage#	38000*	volts
Peak Plate Current	110	mA
Average Plate Current	2.2	mA
Heater Voltage:		
Absolute-maximum value	3.65	volts
Absolute-minimum value	2.65	volts

CHARACTERISTIC, Instantaneous Value

Tube Voltage Drop for plate current of 7 mA	60	volts
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X-RADIATION CHARACTERISTIC

X-Radiation, Maximum:

Statistical value controlled on a lot sampling basis 25 mR/hr

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

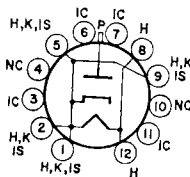
• The dc component must not exceed 30000 volts.

Caution—Operation of this tube outside of the maximum values indicated above may result in either temporary or permanent changes in the X-radiation characteristic of the tube. Equipment design must be such that these maximum values are not exceeded.

Refer to chart at end of section.	3AW3
Refer to chart at end of section.	3B2
Refer to chart at end of section.	3B4WA
Refer to chart at end of section.	3BA6
Refer to chart at end of section.	3BC5
Refer to type 6BC5.	3BC5/3CE5
Refer to chart at end of section.	3BE6
Refer to chart at end of section.	3BL2
Refer to chart at end of section.	3BL2A
Refer to chart at end of section.	3BM2
Refer to chart at end of section.	3BN2
Refer to chart at end of section.	3BN2A
Refer to chart at end of section.	3BN4
Refer to type 6BN4A.	3BN4A
Refer to type 6BN6.	3BN6
Refer to chart at end of section.	3BS2A
For replacement use type 3BW2/3BS2A/3BT2.	3BT2
For replacement use type 3BW2/3BS2A/3BT2.	3BT2
Refer to chart at end of section.	3BU8
Refer to type 6BU8.	3BU8/3GS8
For replacement use type 3BW2/3BS2A/3BT2.	3BW2

**3BW2/
3BS2A/
3BT2**

**HALF-WAVE
VACUUM RECTIFIER**



12HY

Duodecar type used as a high-voltage rectifier to supply power to the anode of the picture tube in color television receivers. **Outlines section, 9B**; requires octal 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 page 93.

Heater Voltage (ac/dc)	3.15	volts
Heater Current	0.48	ampere
Direct Interelectrode Capacitance (Approx.):		
Plate to Cathode, Heater, and Internal Shield	1.6	pF

Flyback Rectifier

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

MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage#	38000●	volts
Peak Plate Current	110	mA
Average Plate Current	2.2	mA
Heater Voltage:		
Absolute-maximum value	3.65	volts
Absolute-minimum value	2.65	volts

CHARACTERISTIC, Instantaneous Value

Tube Voltage Drop (Approx.), for plate current of 7 mA	70	volts
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X-RADIATION CHARACTERISTIC

X-Radiation, Maximum:		
Statistical value controlled on a lot sampling basis	25	mR/hr

Pulse duration must not exceed 15% of a horizontal scanning cycle.

● The dc component must not exceed 30000 volts.

Caution—Operation of this tube outside of the maximum values indicated above may result in either temporary or permanent changes in the X-radiation characteristic of the tube. Equipment design must be such that these maximum values are not exceeded.

3BY6

Refer to chart at end of section.

For replacement use type 3CS6.

3BZ6

Refer to type 6BZ6.

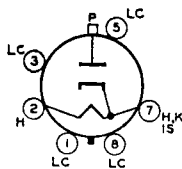
3CA3

Refer to chart at end of section.

3CA3A

HALF-WAVE VACUUM RECTIFIER

Glass octal type used as a rectifier in high-voltage pulse circuits of color television receivers. Outlines section, 14E; requires octal socket. Socket terminals 1, 3, 4, 5, 6, and 8 may be connected to terminal 7 or to a corona shield which connects to terminal 7. Socket terminals 4 and 6 may be used as tie points at or near cathode potential. For high-voltage and X-ray safety considerations, refer to page 93.



8MH

Heater Voltage (ac)	3.6	volts
Heater Current	0.225	ampere
Direct Interelectrode Capacitance (Approx.):		
Plate to Heater, Cathode, and Internal Shield	1.6	pF

Pulsed Rectifier

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

MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage#	38000●	volts
Peak Plate Current	100	mA
Average Plate Current	2	mA
Heater Voltage:		
Absolute-maximum value	4.14	volts
Absolute-minimum value	3.06	volts

CHARACTERISTIC, Instantaneous Value

Tube Voltage Drop for plate current of 11 mA	60	volts
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X-RADIATION CHARACTERISTIC

X-Radiation, Maximum:		
Statistical value controlled on a lot sampling basis	25	mR/hr

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

● The dc component must not exceed 30000 volts.

Caution—Operation of this tube outside of the maximum values indicated above may result in either temporary or permanent changes in the X-radiation characteristic of the tube. Equipment design must be such that these maximum values are not exceeded.