

For replacement use type 3CB6/3CF6.

3CB6

Refer to type 6CB6A.

3CB6/3CF6

Refer to chart at end of section.

For replacement use type 3BC5/3CE5.

3CE5

Refer to chart at end of section.

For replacement use type 3CB6/3CF6.

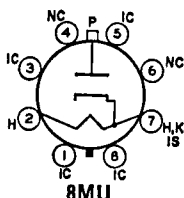
3CF6

Refer to chart at end of section.

3CN3A

**HALF-WAVE
VACUUM RECTIFIER**

3CN3B



Glass octal 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, 14F; requires octal socket. Socket terminals 4 and 6 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

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 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.

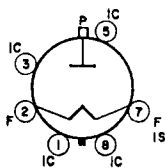
Caution—Operation of this tube outside of the maximum values indicated above may result in either temporary or permanent changes in the X-radiation characteristic of the tube. Equipment design must be such that these maximum values are not exceeded.

Refer to type 6CS6.

3CS6

**HALF-WAVE
VACUUM RECTIFIER**

3CU3A



8MK

Glass octal type used as a rectifier in high-voltage circuits of color and black-and-white television receivers. Because of its fast warm-up time it is particularly suited for transistorized systems. Outlines section, 14F; requires octal socket. Socket terminals 4 and 6 may be used as tie points. For high-voltage and X-ray safety considerations, refer to page 93.

Filament Voltage:	3.15	volts
Filament Current (ac)	0.28	ampere
Direct Interelectrode Capacitance:		
Plate to Filament and Shield	1.5	pF

Pulsed Rectifier

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

MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage#	33000*	volts
Peak Plate Current	100	mA
Average Plate Current	2	mA
Filament Voltage:		
Absolute-maximum value	3.65	volts
Absolute-maximum value	2.65	volts

CHARACTERISTIC, Instantaneous Value

Tube Voltage Drop for plate current of 7 mA	50	volts
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X-RADIATION CHARACTERISTIC

X-Radiation, Maximum:

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

3CX3

Refer to chart at end of section.
For replacement use type 3DA3/3DH3.

3CY3

For replacement use type 3DB3/3CY3.

3CY5

Refer to type 6CY5.

3CZ3

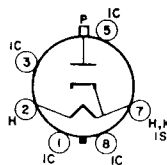
For replacement use type 3CZ3A.

3CZ3A

HALF-WAVE VACUUM RECTIFIER

Glass octal type for use in the high-voltage rectifier circuits of television receivers and in other high voltage applications. **Outlines section, 34A**; requires octal socket. Socket terminals 1, 3, 4, 5, 6, and 8 may be connected to socket terminal 7. Socket terminals 4 and 6 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	3.15	volts
Heater Current	0.48	ampere
Heater Warm-up Time	4	seconds
Direct Interelectrode Capacitance:		
Plate to Heater, Cathode, and Internal Shield	1.6	pF



8E2

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
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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.