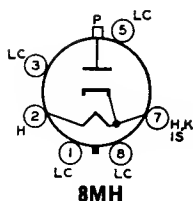


Refer to type 6BC5.
 Refer to chart at end of section.
 Refer to chart at end of section.
 Refer to type 6BN4A.
 Refer to type 6BN6.
 Refer to chart at end of section.
 Refer to type 6BU8.
 Refer to type 6BY6.
 Refer to type 6BZ6.

3BC5/3CE5
3BE6
3BN4
3BN4A
3BN6
3BU8
3BU8/3GS8
3BY6
3BZ6

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 type 1G3GT/1B3GT.

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#	30000	volts
Peak Plate Current	100	mA
Average Plate Current	2	mA

CHARACTERISTICS, Instantaneous Value

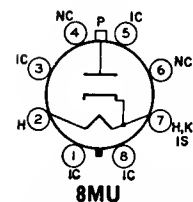
Tube Voltage Drop for plate current of 11 mA	100	volts
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Pulse duration must not exceed 15% of a horizontal scanning cycle (10 microseconds).

Refer to type 6CB6A.
 Refer to type 6CB6A.
 Refer to chart at end of section.
 Refer to chart at end of section.

3CB6
3CB6/3CF6
3CE5
3CF6

HALF-WAVE VACUUM RECTIFIER



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, 14E; requires octal socket. Socket terminals 1, 3, 4, 5, 6, and 8 should not be used as tie points although they may be connected to terminal 7. For high-voltage and X-ray safety considerations, refer to type 1G3GT/1B3GT. Heater: volts (ac/dc), 3.15; amperes, 0.48; operational warm-up time, 4 seconds.

Flyback Rectifier

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

MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage#	38000•	volts
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3CN3A

Peak Plate Current	110	mA
Average Plate Current	2.2	mA
CHARACTERISTICS, Instantaneous Value		
Tube Voltage Drop for plate current of 7 mA	60	volts
# Pulse duration must not exceed 15% of a horizontal scanning cycle (10 microseconds).		
• The dc component must not exceed 30000 volts.		

3CS6

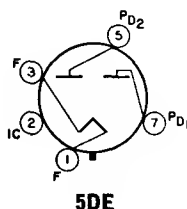
Refer to type 6CS6.

3CY5

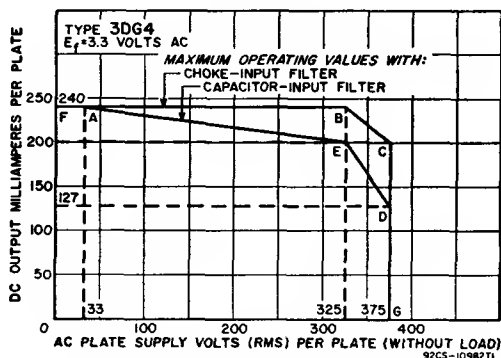
Refer to type 6CY5.

3DG4**FULL-WAVE
VACUUM RECTIFIER**

Glass octal type used in power supplies of color and black-and-white television receivers and other equipment having high dc requirements. Outlines section, 19E; requires octal socket. It is especially important that this tube, like other power-handling tubes, be adequately ventilated. For discussion of Rating Chart, refer to Interpretation of Tube Data. Filament: volts (ac/dc), 3.3; amperes, 3.8.

**Full-Wave Rectifier****MAXIMUM RATINGS (Design-Maximum Values)**

Peak Inverse Plate Voltage	1050	volts
Peak Plate Current (Per Plate)	1.2	amperes
Hot-Switching Transient Plate Current (Per Plate)	6.5	amperes
AC Plate Supply Voltage (Per Plate, rms)	See Rating Chart	
DC Output Current (Per Plate)	See Rating Chart	
Bulb Temperature (At hottest point on bulb surface)	200	°C

RATING CHART**TYPICAL OPERATION WITH CAPACITOR INPUT TO FILTER**

AC Plate-to-Plate Supply Voltage (rms)	550	volts
Filter-Input Capacitor*	40	μF
Effective Plate-Supply Impedance per Plate	32	ohms
DC Output Voltage at Input to Filter (Approx.):		
At full-load current of 350 mA	300	volts

CHARACTERISTICS

Tube Voltage Drop for plate current of 350 mA (per plate)	25	volts
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* Higher values of capacitance than indicated may be used, but the effective plate-supply impedance may have to be increased to prevent exceeding the maximum peak-plate-current rating.

3DK6

Refer to type 6DK6.

3DT6

Refer to chart at end of section.

3DT6A

Refer to type 6DT6A.