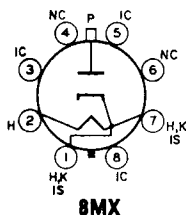


Refer to chart at end of section.

3DA3/3DH3

Refer to type 3DB3/3CY3.

3DB3



**HALF-WAVE
VACUUM RECTIFIER**

3DB3/3CY3

Octal type used as a high-voltage rectifier to supply power to the anode of the television picture tube. **Outlines section, 14F**; requires octal socket. Socket terminals 3, 4, 5, 6, and 8 should not be used as tie points although terminals 3, 5, and 8 may be connected to terminal 7. For high-voltage and X-ray safety considerations, refer to page 93.

Heater Voltage	3.15	volts
Heater Current	0.245	ampere
Direct Interelectrode Capacitance (Approx.):		
Plate to Heater, Cathode, and Internal Shield	1.5	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	100	mA
Average Plate Current	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	100	volts
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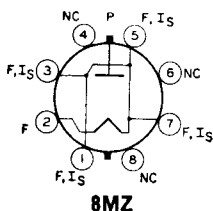
X-RADIATION CHARACTERISTIC

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.



**HALF-WAVE
VACUUM RECTIFIER**

3DC3

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, 6, and 8 may be used as tie points. For high-voltage and X-ray safety considerations, refer to page 93. This type is identical with type 3CU3A except for the following items:

Pulsed Rectifier

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

MAXIMUM RATINGS (Design-Maximum Values)

Peak Plate Current	110	mA
Average Plate Current	2.2	mA