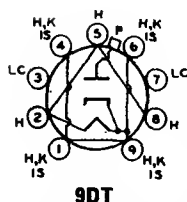


Refer to chart at end of section.	2EN5
Refer to chart at end of section.	2ER5
Refer to type 6FH5.	2FH5
Refer to chart at end of section. For replacement use type 2GK5/2FQ5A.	2FQ5A
Refer to type 6FS5.	2FS5
Refer to chart at end of section.	2GK5
Refer to type 6GK5.	2GK5/2FQ5A
Refer to chart at end of section. For replacement use type 2FS5.	2GU5
For replacement use type 2HM5/2HA5.	2HA5
Refer to type 6HM5/6HA5.	2HM5/2HA5
Refer to type 6HQ5.	2HQ5
Refer to chart at end of section.	3A2



9DT

HALF-WAVE VACUUM RECTIFIER

3A2A

Miniature type used in high-voltage rectifier circuits of small-screen black-and-white television receivers. Outlines section, 7A; requires miniature 9-contact socket. Socket terminals 1, 3, 4, 6, and 7 may be connected to terminal 9 or to a corona shield which connects to terminal 9. Terminals 3 and 7 may be used as tie points

at or near cathode potential. For high-voltage and X-ray safety considerations, refer to page 93.

Heater Voltage (ac/dc)	3.15	volts
Heater Current	0.22	ampere
Direct Interelectrode Capacitances:		
Plate to Cathode, Heater, and Internal Shield	1	pF

Pulsed Rectifier

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

MAXIMUM RATINGS (Design-Maximum Ratings)

Peak Inverse Plate Voltage#	20000*	volts
Peak Plate Current	80	mA
Average Plate Current	1.5	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	70	volts
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X-RADIATION CHARACTERISTIC

X-Radiation, Maximum:

Statistical value controlled on a lot sampling basis	0.5	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 18000 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.