Pulsed Rectifier

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

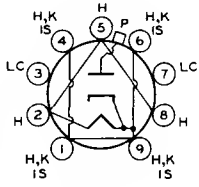
MAXIMUM RATINGS (Design-Maximum Values)		
Peak Inverse Plate Voltage#	26000*	volts
Peak Plate Current	50	mA
Average Plate Current	0.5	mA
CHARACTERISTICS, Instantaneous Value		
Tube Voltage Drop for plate current of 7 mA	225	volts

Pulse duration must not exceed 15% of a horizontal scanning cycle (10 microseconds).
* The dc component must not exceed 22000 volts.

1L6	Refer to chart at end of section.
1LA4	Refer to chart at end of section.
1LA6	Refer to chart at end of section.
1LB4	Refer to chart at end of section.
1LC5	Refer to chart at end of section.
1LC6	Refer to chart at end of section.
1LD5	Refer to chart at end of section.
1LE3	Refer to chart at end of section.
1LG5	Refer to chart at end of section.
1LH4	Refer to chart at end of section.
1LN5	Refer to chart at end of section.
1N2A	Refer to chart at end of section.
1N5GT	Refer to chart at end of section.
1N6G	Refer to chart at end of section.
1P5GT	Refer to chart at end of section.
1Q5GT	Refer to chart at end of section.
1R5	Refer to chart at end of section.

1S2A/DY87 HALF-WAVE VACUUM RECTIFIER

Miniature type used in high-voltage, low-current applications in television scanning circuits. Outlines section, 7F; requires miniature 9-contact socket. Socket terminals 3 and 7 may be used as tie points for components at or near heater potential. For high-voltage considerations, refer to type 1G3GT/1B3GT.



9DT

Heater Voltage (ac/dc)	1.4	volts
Heater Current	0.55	ampere
Direct Interelectrode Capacitance:		
Plate to cathode and heater	1.8	pF

Pulsed Rectifier

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

MAXIMUM RATINGS (Design-Center Values)

Peak Inverse Plate Voltage#	22000	volts
Peak Plate Current	40	mA
Average Plate Current	0.8	mA

CHARACTERISTICS, Instantaneous Value

Tube Voltage Drop for plate current of 7 mA	100	volts

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

Refer to chart at end of section. **1S4**

Refer to chart at end of section. **1S5**

Refer to chart at end of section. **1T4**

Refer to chart at end of section. **1T5GT**

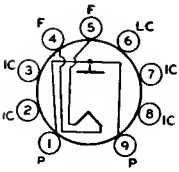
Refer to chart at end of section. **1T6**

Refer to chart at end of section. **1U4**

Refer to chart at end of section. **1U5**

Refer to chart at end of section. **IV**

HALF-WAVE VACUUM RECTIFIER **1V2**



9U

Miniature type used as a doubler in high-voltage pulse rectifier circuits of black-and-white television receivers and as a focus rectifier in color television receivers. The very low power required by the filament permits the use of a rectifier transformer having small size and light weight. Outlines section, 6B; requires miniature 9-contact socket.

Filament Voltage (ac)	0.625▪	volt
Filament Current	0.3	ampere
Direct Interelectrode Capacitance:		
Plate to Filament (Approx.)	0.8	pF

▪ Under no circumstances should the filament voltage be less than 0.525 volt or greater than 0.725 volt.

Pulsed Rectifier

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

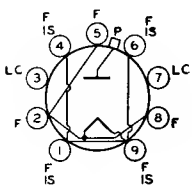
MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage#	8250•	volts
Peak Plate Current	11	mA
Average Plate Current	0.6	mA

Pulse duration must not exceed 15% of a horizontal scanning cycle (10 microseconds).
• The dc component must not exceed 7000 volts.

Refer to chart at end of section. **1X2A**

HALF-WAVE VACUUM RECTIFIER **1X2B** **1X2B/1X2A**



9Y

Miniature type used as a rectifier in high-voltage pulse circuits of black-and-white television receivers and as a focus rectifier in color television receivers. Outlines section, 7A; requires miniature 9-contact socket. Socket terminals 3 and 7 may be used as tie points for components at or near filament potential. For high-voltage