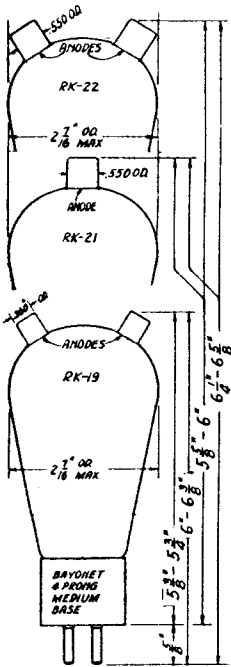


**TWIN DIODE
FULL-WAVE HIGH VACUUM RECTIFIER**



The RK-19 is a heater type full-wave high vacuum rectifier tube designed for use in d-c power supplies delivering approximately 1000 volts d.c. The RK-19 has a low internal voltage drop approaching that of mercury vapor type tubes and operates without generating the r-f noise common to mercury vapor tubes.

HEATER RATING

Heater Voltage	7.5	volts
Heater Current	2.5	amp

MAXIMUM RATINGS

A-C Voltage per Plate	1250	volts
Peak Inverse Voltage	3500	volts
Peak Plate Current per Plate	0.6	amp
D-C Output Current	0.2	amp
(Condenser input filter)		

OPERATING NOTES

CAUTION

The cathode should always be allowed to reach operating temperature before the plate voltage is applied. For average conditions this delay should be at least 30 seconds.

The plate leads from the power transformer should be of flexible wire to prevent strain on the top caps. Connection to the top caps should be made with a clip or spring clamp. The lead wires must not be soldered to the top caps.

**TWIN DIODE
FULL-WAVE HIGH VACUUM RECTIFIER**

The RK-22 is a heater type full-wave high vacuum rectifier tube designed for use in d-c power supplies delivering approximately 1000 volts d.c. The RK-22 has a low internal voltage drop approaching that of mercury vapor type tubes and operates without generating the r-f noise common to mercury vapor tubes.

HEATER RATING

Heater Voltage	2.5	volts
Heater Current	8	amp

MAXIMUM RATINGS

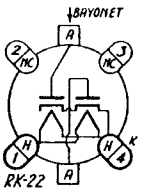
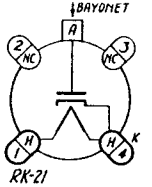
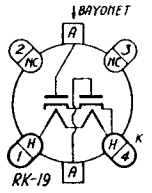
A-C Voltage per Plate	1250	volts
Peak Inverse Voltage	3500	volts
Peak Plate Current per Plate	0.6	amp
D-C Output Current	0.2	amp
(Condenser input filter)		

OPERATING NOTES

CAUTION

The cathode should always be allowed to reach operating temperature before the plate voltage is applied. For average conditions this delay should be at least 30 seconds.

The plate leads from the power transformer should be of flexible wire to prevent strain on the top caps. Connection to the top caps should be made with a clip or spring clamp. The lead wires must not be soldered to the top caps.



BOTTOM VIEWS OF SOCKETS

**RK-21
DIODE
HALF-WAVE HIGH VACUUM RECTIFIER**

The RK-21 is a heater type half-wave high vacuum rectifier tube designed for use in d-c power supplies delivering approximately 1000 volts d.c. The RK-21 has a low internal voltage drop approaching that of mercury vapor tubes and operates without generating the r-f noise common to mercury vapor tubes.

HEATER RATING

Heater Voltage	2.5	volts
Heater Current	4	amp

MAXIMUM RATINGS

A-C Voltage per Plate	1250	volts
Peak Inverse Voltage	3500	volts
Peak Plate Current	0.6	amp
D-C Output Current (condenser input filter)	0.2	amp

OPERATING NOTES

CAUTION

The cathode should always be allowed to reach operating temperature before the plate voltage is applied. For average conditions this delay should be at least 30 seconds.

The plate lead from the power transformer should be of flexible wire to prevent strain on the top cap. Connection to the top cap should be made with a clip or spring clamp. The lead wire must not be soldered to the top cap.

