**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 (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 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.

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**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 (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 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.