The 3BH2 is a high voltage rectifier diode intended for use in color TV receivers.

**PIN CONNECTIONS**
- 1 - HEATER, CATHODE
- 2 - INTERNAL CONNECTION
- 3 - INTERNAL CONNECTION
- 4 - HEATER
- 5 - HEATER, CATHODE
- 6 - INTERNAL CONNECTION
- 7 - INTERNAL CONNECTION
- 8 - HEATER
- 9 - HEATER, CATHODE
- P - PLATE

**GENERAL CHARACTERISTICS**

**MECHANICAL**
- Base Dimensions
- Magnoval
- See outline drawing

**ELECTRICAL**
- Heating
  - Heater Voltage
  - Heater Current
  - Capacitance
  - Indirect, AC or DC
  - 3.15 volts ± 15%
  - 370 mA
  - 1.5 pf, Plate to Cathode

**ABSOLUTE MAXIMUM RATINGS**
- Negative Plate to Cathode Voltage
  - 35 k volts
- Output Voltage
  - 27.5 k volts
- Plate Current (Design Center)
  - 1.7 mA

**OPERATING CHARACTERISTICS**
- Output Voltage
  - 25 k volts
- Plate Current
  - 1.5 mA

**OPERATING NOTES**
- A. Pins 1, 5 and 9, may be used to connect an anti-corona ring.
- B. X-ray shielding may be required for protection against excessive radiation

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1. Negative peak due to ringing in output transformer should be taken into account. Maximum pulse duration 22% of a cycle and 18 μsec.