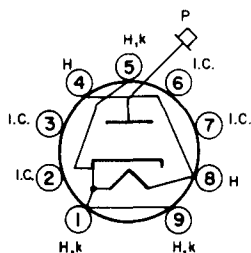


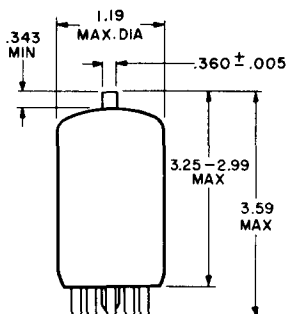
AMPEREX TUBE TYPE 3BH2

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 $\pm$ 15%
370 ma
1.5 pf, Plate
to Cathode

ABSOLUTE MAXIMUM RATINGS

Negative Plate to Cathode Voltage¹
Output Voltage
Plate Current (Design Center)

35 k volts
27.5 k volts
1.7 ma

OPERATING CHARACTERISTICS

Output Voltage
Plate Current

25 k volts
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

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

