

MAZDA

11.E.2

BEAM POWER AMPLIFIER

Indirectly heated - for Pulse Amplification

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RATING

| | | |
|--|----------------|--------|
| Heater Voltage (volts) | V_h | 6.3 |
| Heater Current (amps) | I_h | 0.9 |
| Maximum Peak Anode Voltage - Pulse Rating (volts) | $V_a(pk)max$ | 12,500 |
| Maximum Screen Voltage (volts) | $V_{g2}(max)$ | 550 |
| Maximum Peak Anode Current (amps) | $I_a(pk)max$ | 1.0 |
| Inner Mu | $\mu_{g1, g2}$ | ± 9.0 |
| Maximum Anode Dissipation (watts) | $W_a(max)$ | 5.0 |
| Maximum Screen Dissipation (watts) | $W_{g2}(max)$ | 1.0 |
| Maximum Potential Heater/Cathode (volts DC) | $V_{h-k}(max)$ | 150 |

: Taken at $V_a = 200v$; $V_{g2} = 200v$; $I_a = 25mA$.

INTER-ELECTRODE CAPACITANCES

| | | |
|--------------------------------|--------------|------|
| Anode/Earth (μF) | $C_{a,all}$ | 7.5 |
| Anode/Control Grid (μF) | $C_{a,g1}$ | 0.2 |
| Control Grid/Earth (μF) | $C_{g1,all}$ | 15.5 |

"Earth" denotes the remaining earthy potential electrodes, heater joined to cathode.

DIMENSIONS

| | |
|-----------------------------------|----|
| Maximum Overall Length (mm) | 86 |
| Maximum Diameter (mm) | 32 |
| Maximum Radius over Side Cap (mm) | 25 |
| Maximum Seated Height (mm) | 73 |
| Approximate Nett Weight (ozs) | 1½ |
| Approximate Packed Weight (ozs) | 4 |

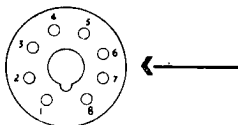
MOUNTING POSITION - Vertical

NOTE

This valve is intended for use in break modulators but it can be employed in a series modulation with a standoff voltage of 3,000 volts.

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Viewed from free end of pins.

← Indicates position of side cap.

CONNEXIONS

| | | |
|----------|--------------|----|
| Pin 1 | Blank | - |
| Pin 2 | Heater | h |
| Pin 3 | Blank | - |
| Pin 4 | Screen Grid | g2 |
| Pin 5 | Control Grid | g1 |
| Pin 6 | Blank | - |
| Pin 7 | Heater | h |
| Pin 8 | Cathode | k |
| Side Cap | Anode | a |