MAZDA

11.E.2

BEAM POWER AMPLIFIER

Indirectly heated – for Pulse Amplification

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 (μμF)	$C_{a,all}$	7.5
Anode/Control Grid (μμF)	$C_{a,g1}$	0.2
Control Grid/Earth (μμF)	$C_{g1,all}$	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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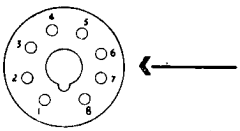
CAP American Miniature

BULB Clear

BASE I.O.8.



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