

MAZDA

6.F.14

**TELEVISION SCREENED PENTODE
TENTATIVE****RATING**

Heater Voltage (volts)	V_h	6.3
Heater Current (amps)	I_h	0.35
Maximum Anode Voltage (volts)	$V_a(\max)$	250
Maximum Screen Voltage (volts)	$V_{g2}(\max)$	250
Mutual Conductance (mA/V)	g_m	* 10.6
Anode Impedance (megohms)	r_a	* 0.125
Inner Mu	$\mu_{g1, g2}$	* 33
Maximum Anode Dissipation (watts)	$w_a(\max)$	4.0
Maximum Screen Dissipation (watts)	$w_{g2}(\max)$	1.0
Maximum Potential Heater/Cathode (volts D.C.)	$V_{h-k}(\max)$	150

* Taken at $V_a = V_{g2} = 140v$; $V_{g1} = -1.25v$.**INTER-ELECTRODE CAPACITANCES**

		$\S$	Γ
Anode/Earth (μF)	C_{out}	3.8	5.3
Anode/Control Grid (μF)	C_{a-g1}	.02	.021
Control Grid/Earth (μF)	C_{in}	9.3	10.8

 $\S$ Inter-electrode Capacitances with holder capacitance balanced out. Γ Total capacitance including a Benjamin BSA moulded holder at a frequency of 1 Mc/s.**DIMENSIONS**

Maximum Overall Length (mm)	67
Maximum Diameter (mm)	22
Maximum Seated Height (mm)	54
Radius over Location Key (mm)	12.25
Approximate Nett Weight (ozs)	$\frac{3}{4}$
Approximate Packed Weight (ozs)	1

MOUNTING POSITION - Unrestricted.

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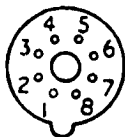
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TENTATIVE

BULB Clear

BASE B8A



Viewed from free end of pins.

CONNEXIONS

Pin 1	Heater	h
Pin 2	Anode	a
Pin 3	Internal Shield •	s
Pin 4	Suppressor Grid	g3
Pin 5	Screen Grid	g2
Pin 6	Control Grid	g1
Pin 7	Cathode	k
Pin 8	Heater	h

This valve is not fitted with an internal cylindrical shield around the electrode structure.