

**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

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

$\S$  Inter-electrode Capacitances with holder capacitance balanced out.

[ 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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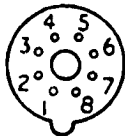
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TELEVISION SCREENED PENTODE

**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.