

MAZDA**6F17****MINIATURE PULSE & R.F. BEAM TETRODE**

Indirectly heated—for parallel operation

6F17

RATING

Heater Voltage (volts)	V_h	6.3
Heater Current (amps)	I_h	0.3
Maximum Anode Voltage (volts)	$V_a(\text{max})$	600
Maximum Screen Voltage (volts)	$V_{g2}(\text{max})$	600
Mutual Conductance (mA/V)	S_m	* 8.3
Maximum Anode Dissipation (watts)	P_a	† 3.5
Maximum Screen Dissipation (watts)	P_{g2}	0.7

- * Tested under pulse conditions and taken at $V_a = V_{g2} = 250\text{v}$; $V_{g1} = -6.25\text{v}$; $I_a = 64\text{mA}$.

- † If used in a can at maximum rating the can must be matt black both internally and externally.

INTER-ELECTRODE CAPACITANCES

		$\parallel$	q	l
Anode/Control Grid (μpF)	C_{a-g1}	.03	.033	.05
Anode/Earth (μpF)	C_{out}	6.0	7.1	5.9
Control Grid/Earth (μpF)	C_{in}	6.6	7.6	7.5

- $\parallel$ Inter-electrode capacitance with holder capacitance balanced out, but with cylindrical screen.

- q Total capacitance including Benjamin B7G holder type 75/828 and cylindrical screen type 75/832.

- l Total capacitance including Benjamin B7G holder type 75/663R without cylindrical screen.

DIMENSIONS

Maximum Overall Length (mm)	54
Maximum Diameter (mm)	19
Maximum Seated Height (mm)	47.5
Approximate Nett Weight (ozs)	1
Approximate Packed Weight (ozs)	2

MOUNTING POSITION - Unrestricted.

6FI7

MAZDA

6FI7

MINIATURE PULSE & R.F. BEAM TETRODE

Indirectly heated—for parallel operation

BULB ClearBASE B7G

Viewed from free end of pins

CONNEXIONS

Pin 1	Control Grid	g1
Pin 2	Cathode	k
Pin 3	Heater	h
Pin 4	Heater	h
Pin 5	Anode	a
Pin 6	Beam Plates	
Pin 7	Screen Grid	g2

MAZDA

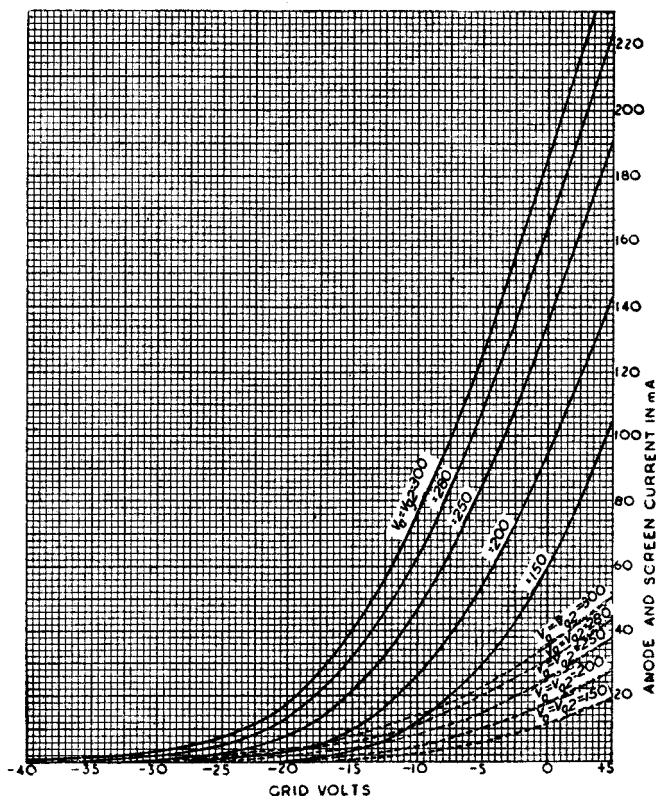
6F17

MINIATURE PULSE & R.F. BEAM TETRODE
Indirectly heated—for parallel operation

6F17

AVERAGE CHARACTERISTIC CURVES

*These curves were taken with a short duration pulse
having a 400:1 off to on period*



6F17

MAZDA

6F17

MINIATURE PULSE & R.F. BEAM TETRODE

Indirectly heated - for parallel operation

AVERAGE CHARACTERISTIC CURVES

*These curves were taken with a short duration pulse
having a 400:1 off to on period at $V_{g2} = 280$*

