# MAZDA

## 6F17

## MINIATURE PULSE & R.F. BEAM TETRODE

### Indirectly heated—for parallel operation

RATING

| | | |
|---|---|---|
| Heater Voltage (volts) | Vh | 6.3 |
| Heater Current (amps) | Ih | 0.3 |
| Maximum Anode Voltage (volts) | Va(max) | 600 |
| Maximum Screen Voltage (volts) | Vg2(max) | 600 |
| Mutual Conductance (mA/V) | gm | • 8.3 |
| Maximum Anode Dissipation (watts) | Pa | ‡ 3.5 |
| Maximum Screen Dissipation (watts) | Pg2 | 0.7 |

• Tested under pulse conditions and taken at Va = Vg2 = 250v; Vg1 = -6.25v; Ia = 64mA.

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

| INTER-ELECTRODE CAPACITANCES | | ‖ | ¶ | { |
|---|---|---|---|---|
| Anode/Control Grid (μμF) | Ca-g1 | .03 | .033 | .05 |
| Anode/Earth (μμF) | Cout | 6.0 | 7.1 | 5.9 |
| Control Grid/Earth (μμF) | Cin | 6.6 | 7.6 | 7.5 |

‖ Inter-electrode capacitance with holder capacitance balanced out, but with cylindrical screen.

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

{ 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.

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BULB Clear

BASE 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 |

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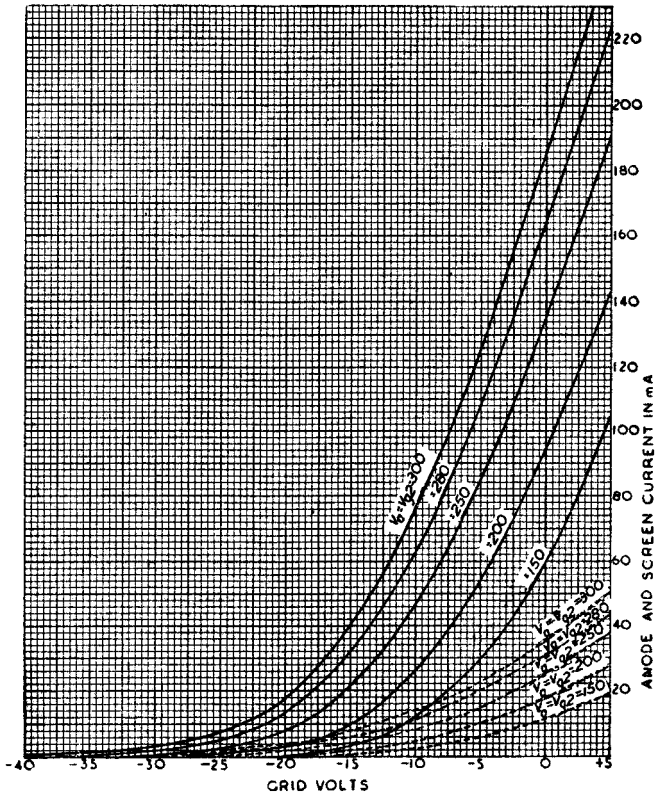
## AVERAGE CHARACTERISTIC CURVES

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

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SIEMENS EDISON SWAN LIMITED

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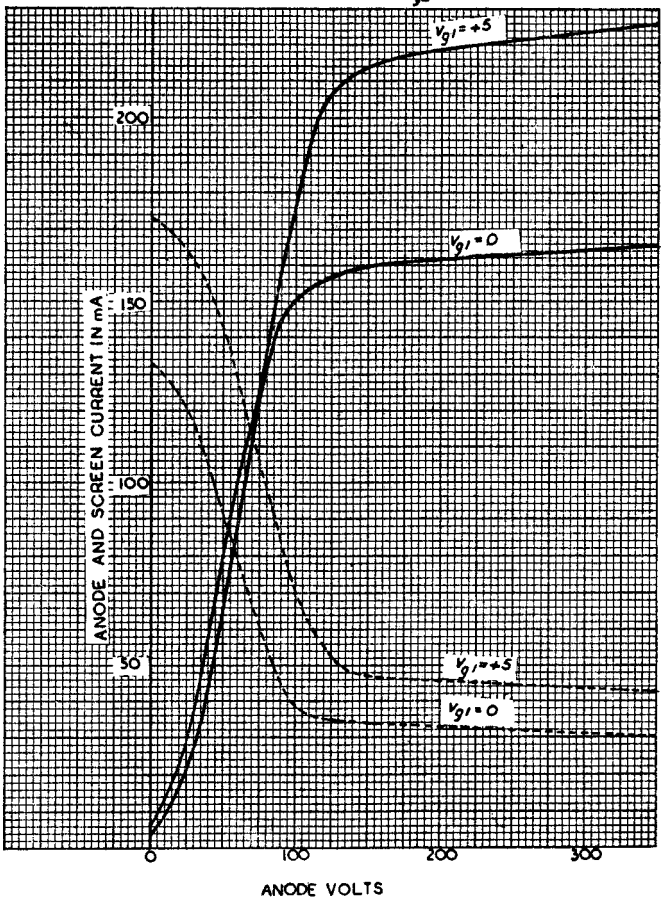
## AVERAGE CHARACTERISTIC CURVES

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



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