

MAZDA

20.A.3

THYRATRON GAS TETRODE

Indirectly heated for use as Gas Relay

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RATING

Heater Voltage (volts)	V_h	6.3
Heater Current (amps)	I_h	0.6
Arc Voltage Drop (volts)		8
Maximum Forward Anode Volts	V_a	650
Maximum Peak Inverse Anode Voltage (volts)	P.I.V.(max)	1300
Maximum Shield Grid Voltage (volts)	$V_{g2(max)}$	-100
Maximum Control Grid Volts	$V_{g1(max)}$	-100
Maximum Peak Cathode Current (mA)	$I_k(pk)max$	500
Maximum Average Cathode Current (mA)	$I_k(av)max$	100
Control Grid Circuit Res. (Megohms)	R_{g1}	0.01-10.0
Control Ratio G1		250 *
Control Ratio G2		1000 †

$$* \quad V_{g2} = 0 \quad R_{g1} = 0$$

$$† \quad V_{g1} = 0 \quad R_{g1} = 0 \quad R_{g2} = 0$$

IMPORTANT

- 1) Heater to cathode voltage must never exceed 25 volts peak.
- 11) The heater must be switched on for 10. sec min before anode voltage is applied.
- 111) All maximum ratings are absolute values, not design centres.

DIMENSIONS

Overall Length Maximum (mm)	54
Maximum Diameter (mm)	19
Maximum Seated Height (mm)	47.5
Approximate Nett Weight (ozs)	$\frac{1}{2}$
Approximate Packed Weight (ozs)	$\frac{1}{2}$

MOUNTING POSITION - Unrestricted.

20.A.3

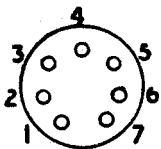
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BASE - Miniature Button 7. pin B7G.



Viewed from free end of pins.

CONNEXIONS

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

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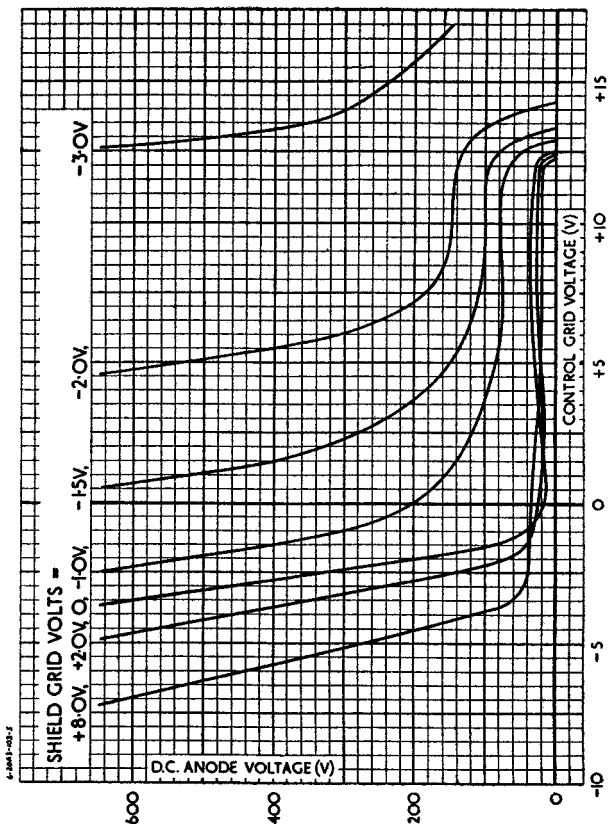
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AVERAGE CHARACTERISTIC CURVES: V_a/V_g

$R_{g1}=0$

$R_{g2}=0$



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INDUSTRIAL
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