MAZDA

20.A.3

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THYRATRON GAS TETRODE

Indirectly heated for use as Gas Relay

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 †

* V_{g2} = 0 R_{g1} = 0

† V_{g1} = 0 R_{g1} = 0 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)	¼
Approximate Packed Weight (ozs)	⅓

MOUNTING POSITION - Unrestricted.

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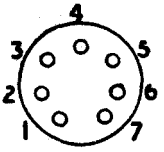
BASE - Miniature Button 7, pin B7G.



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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THE EDISON SWAN ELECTRIC COMPANY LTD.

EDISWAN

20A3

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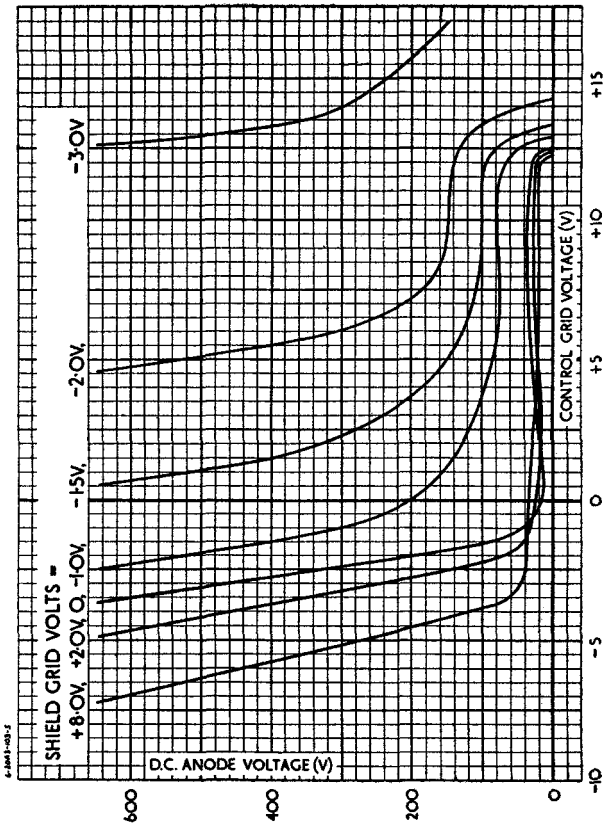
AVERAGE CHARACTERISTIC CURVES: V_a/V_g

$R_{g1}=0$ $R_{g2}=0$



INDUSTRIAL
VALVE & CRT DIVISION
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SIEMENS EDISON SWAN LIMITED