MAZDA
20A2

GAS FILLED TETRODE
Indirectly heated—for use as a Grid Controlled Rectifier

RATING

Heater Voltage (volts)	V_h	6.3	
Heater Current (amps)	I_h	1.0	
Approximate Voltage Drop (volts)		9.0	
Maximum Peak Forward Anode Voltage	V_a (max)	600	
Maximum Peak Inverse Anode Voltage	PIV (max)	1,300	
Maximum Shield Grid Voltage (volts)	V_{g2} (max)	—100	←
Maximum Control Grid Voltage (volts)	V_{g1} (max)	—100	←
Maximum Peak Cathode Current (mA)	$I_{k(pk)}$ max	1,250	
Maximum Mean Cathode Current (mA)	$I_{k(av)}$ max	250	
Control Grid Series Resistance (megohms)		0.01 to 1.0	

NOTE

Cathode and heater should normally be tied externally. If left free, the heater to cathode voltage must never exceed 25 volts peak. The heater must be switched on for 15 seconds before anode voltage is applied.

All maximum ratings are absolute values, not design centres.

DIMENSIONS

Maximum Overall Length (mm)	110
Maximum Diameter (mm)	40
Maximum Seated Height (mm)	97
Approximate Nett Weight (ozs)	$1\frac{1}{2}$
Approximate Packed Weight (ozs)	2

Indicates a change ←

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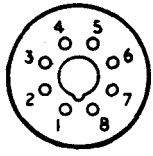
MOUNTING POSITION—Unrestricted

BULB—Clear

BASE—International Octal (108)



Viewed from free end of pins

CONNECTIONS

Pin 1	No connection	NC
Pin 2	Heater	h
Pin 3	Anode	a
Pin 4	No connection	NC
Pin 5	Control Grid	g_1
Pin 6	Shield Grid	g_2
Pin 7	Heater	h
Pin 8	Cathode	k

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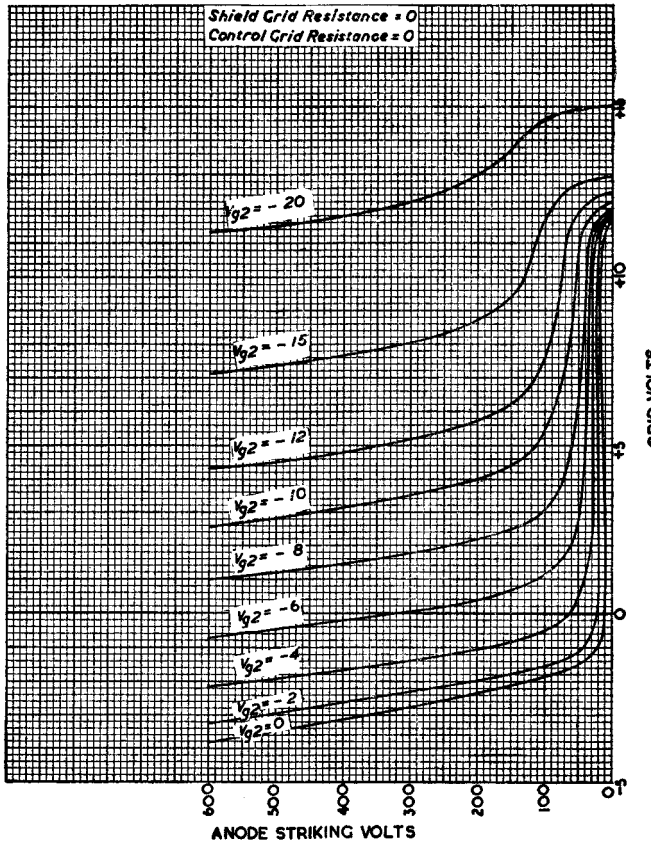
AVERAGE CHARACTERISTIC CURVES