MAZDA

U.201

HALF WAVE RECTIFIER

Indirectly heated – for series operation

RATING		
Heater Current (amps)	I_h	0.2
Heater Voltage (volts)	V_h	20.0
Maximum Anode Voltage (volts RMS)	$V_{a(rms)max}$	250
Maximum Peak Inverse Anode Voltage (volts)	P.I.V.(max)	750
Maximum Mean Anode Current (mA)	$I_{a(av)max}$	90
Maximum Peak Anode Current (mA)	$I_{a(pk)max}$	700
Maximum Peak Potential Heater/Cathode with heater negative (volts)	$V_{h-k(max)}$	550

DIMENSIONS	
Maximum Overall Length (mm)	98
Maximum Diameter (mm)	32
Maximum Seated Height (mm)	82
Approximate Nett Weight (ozs)	1¼
Approximate Packed Weight (ozs)	1⅝

MOUNTING POSITION – Unrestricted

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TYPICAL OPERATION

D.C. Load Current (mA)	70	70	70	90	90	90
A.C. Input Volts (RMS)	230	230	110	230	230	110
D.C. Rectified Output	*248	‡ 235	[117	*235	‡220	[111
Reservoir Condenser (μF)	16	16	32	16	16	32
D.C. Voltage drop across rectifier (volts)	8	8	8	9.5	9.5	9.5

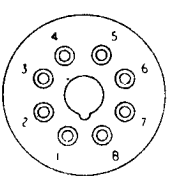
* Voltage Output with 50 ohms limiting resistance in series with rectifier.

‡ Voltage Output with 100 ohms limiting resistance in series with rectifier.

[Voltage Output with zero limiting resistance in series with rectifier.

BULB Clear

BASE A.O.6



Viewed from free end of pins.

CONNEXIONS

Pin 1	Blank	
Pin 2	Heater	h
Pin 3	Blank	
Pin 4	Omitted	
Pin 5	Anode	a
Pin 6	Omitted	
Pin 7	Heater	h
Pin 8	Cathode	k

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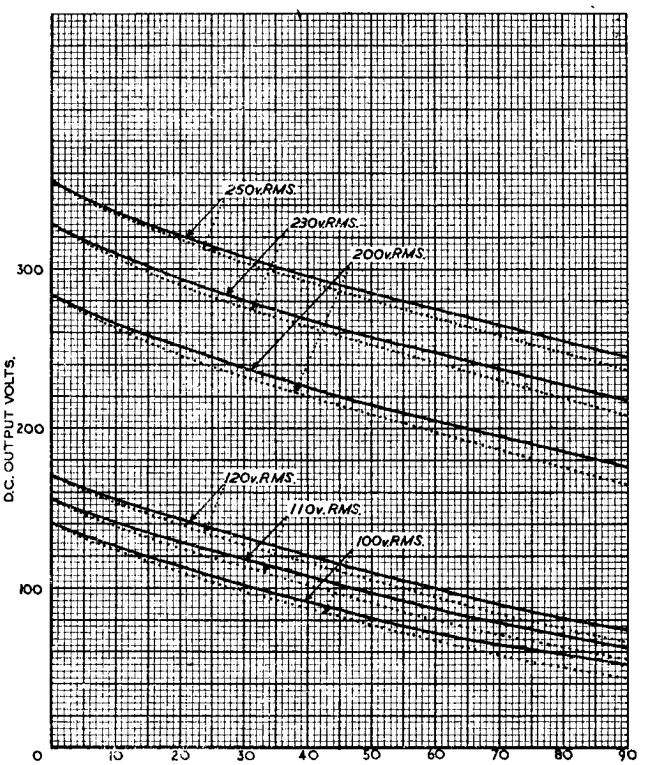
CHARACTERISTIC CURVES OF AVERAGE

MAZDA VALVE U201

HALF WAVE RECTIFICATION REGULATION CHARACTERISTIC

Curves taken with 8μF Reservoir Condenser.

Key { —— *no Limiting Resistance in Anode Circuit.*
..... *50Ω Limiting Resistance in Anode Circuit.*



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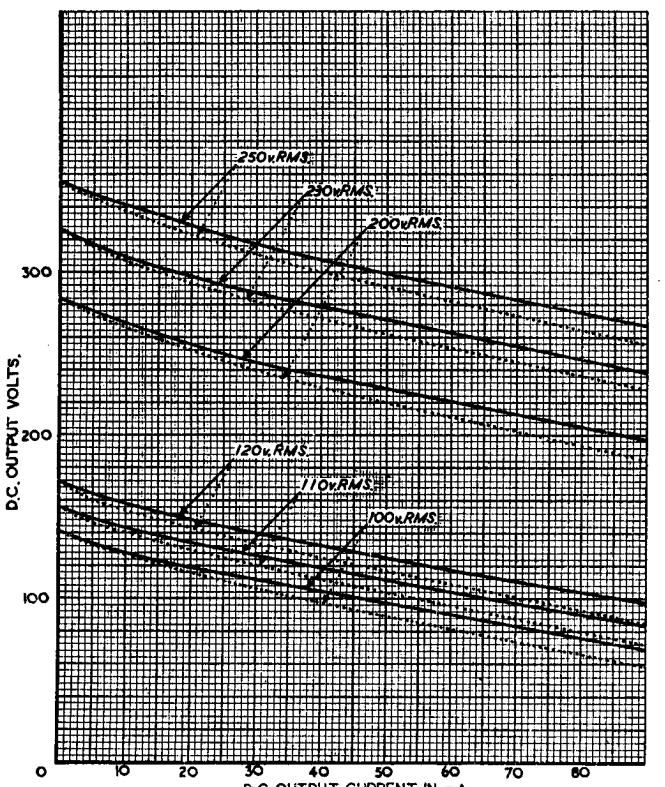
CHARACTERISTIC CURVES OF AVERAGE

MAZDA VALVE U201

HALF WAVE RECTIFICATION REGULATION CHARACTERISTIC

Curves taken with 12μF Reservoir Condenser.

Key { —— *no Limiting Resistance in Anode Circuit.*
..... *50Ω Limiting Resistance in Anode Circuit.*



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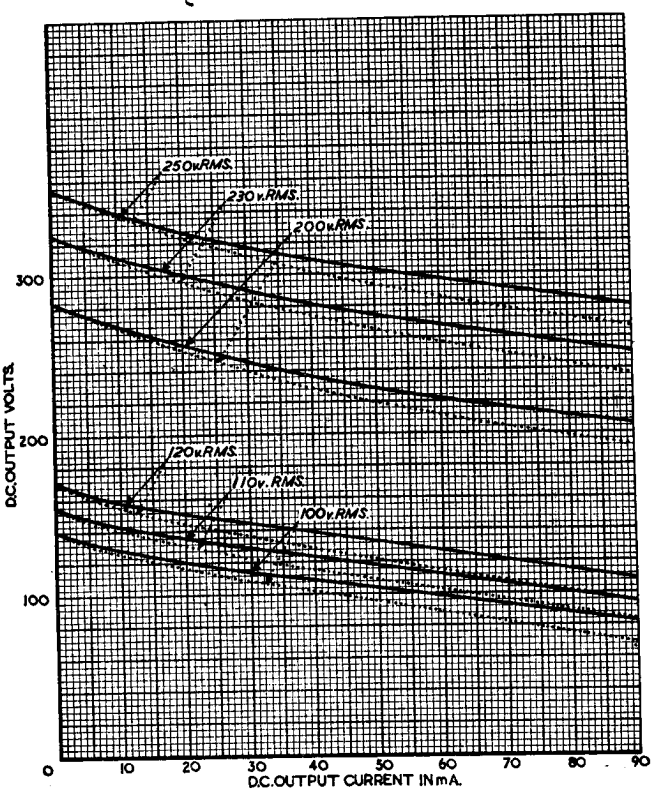
CHARACTERISTIC CURVES OF AVERAGE

MAZDA VALVE U201

HALF WAVE RECTIFICATION REGULATION CHARACTERISTIC

Curves taken with 16μF Reservoir Condenser.

Key { —— no Limiting Resistance in Anode Circuit.
..... 50Ω Limiting Resistance in Anode Circuit.



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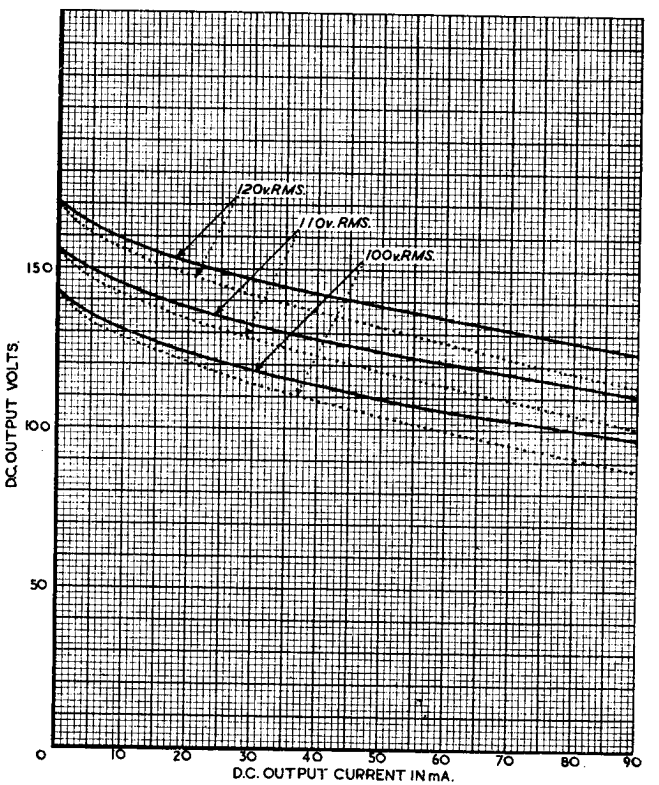
CHARACTERISTIC CURVES OF AVERAGE

MAZDA VALVE U201

HALF WAVE RECTIFICATION REGULATION CHARACTERISTIC

Curves taken with 32μF Reservoir Condenser.

Key { —— *no Limiting Resistance in Anode Circuit.*
····· *22Ω Limiting Resistance in Anode Circuit*



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