V.453

MAZDA

V.453

SCREENED R.F. PENTODE

Indirectly heated – for parallel operation

GENERAL

The V.453 is a low "hum", low noise, non-microphonic valve for use in the early stages of high gain amplifiers where the "Miller" input loading must be kept at a minimum, and where the elimination of "flicker" noise is of particular importance.

RATING

Heater Voltage (volts)	V_h	4.0
Heater Current (amps)	I_h	0.65
Maximum Anode Voltage (volts)	$V_{a(max)}$	250
Maximum Screen Voltage (volts)	$V_{g2(max)}$	150
Mutual Conductance (mA/V)	g_m	¶ 2.0

¶ Taken at V_a = 250 v; V_{g2} = 100 v; V_{g1} = -1.8v.

INTER-ELECTRODE CAPACITANCES

Anode/Earth (μμF)	c_{out}	11.6
Anode/Control Grid (μμF)	$c_{a,g1}$	.004
Control Grid/Earth (μμF)	c_{in}	6.75

DIMENSIONS

Maximum Overall Length (mm)	107
Maximum Diameter (mm)	32
Maximum Seated Height (mm)	94
Approximate Nett Weight (ozs)	1¼
Approximate Packed Weight (ozs)	2

MOUNTING POSITION – Unrestricted.

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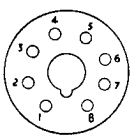
BULB Metallised.

BASE British Octal (B.O.7.)



Viewed from free end of pins.

CAP B.V.A. Standard

CONNEXIONS

Pin 1	Heater	h
Pin 2	Cathode	k
Pin 3	Anode	a
Pin 4	Screen Grid	g_2
Pin 5	Suppressor Grid	g_3
Pin 6	Metallising	M
Pin 7	Omitted	-
Pin 8	Heater	h
Top Cap	Control Grid	g_1

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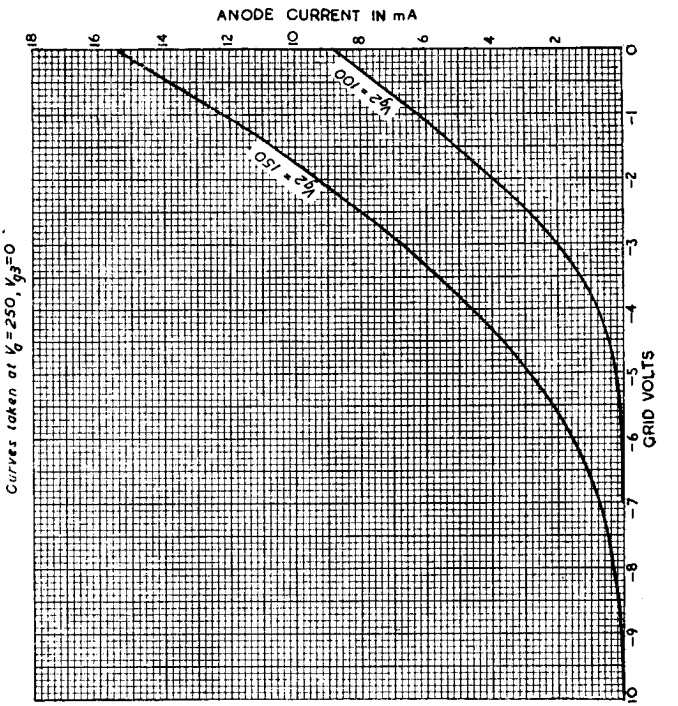
AVERAGE CHARACTERISTIC CURVES



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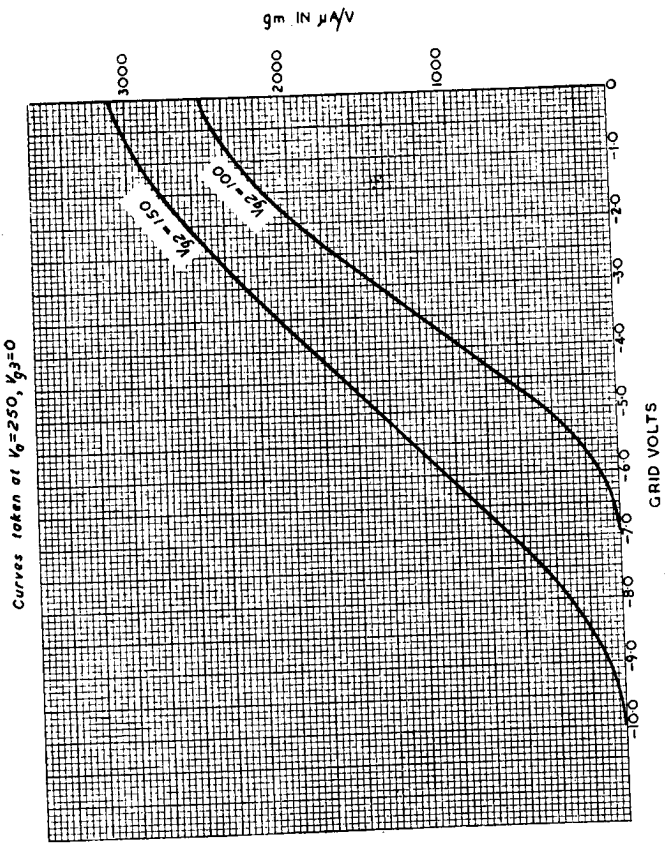

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