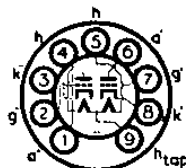


Current Equipment Type
TYPE 13D3
 MINIATURE
 DOUBLE TRIODE
 (MEDIUM MU)



BRIMAR type 13D3 is an indirectly heated double triode, having a rigid structure to reduce microphony. It is particularly suitable as a D.C. amplifier due to its stable characteristics.

Heater Voltage	...	...	...	...	6.3	} or {	12.6 volts
Heater Current	...	...	...	...	0.6		0.3 amp.

RATINGS

Anode Voltage (Ia = 0)	...	...	...	...	...	500 volts max.
Anode Voltage	...	...	...	...	...	300 volts max.
Anode Dissipation (each Section)	...	...	...	...	...	5 watts max.
Cathode Current	...	...	...	...	...	35 mA max.
Negative Grid Voltage	...	...	...	...	...	75 volts max.
Average Grid Current	...	...	...	...	...	7 mA max.
Grid Resistor (Fixed Bias)	...	...	...	...	...	250 k Ω max.
(Auto Bias)	...	...	...	...	...	1.5 M Ω max.

OPERATING CHARACTERISTICS

Anode Voltage	...	...	...	100	250 volts
Grid Voltage	...	...	...	-1	-4.6 volts
Anode Current	...	...	...	3.5	6 mA
Amplification Factor	...	...	...	32.5	32
Mutual Conductance	...	...	...	2.05	2.3 mA/V
Anode Impedance	...	...	...	16.5	14 k Ω

OPERATION AS A PUSH-PULL ZERO BIAS CLASS "B" AMPLIFIER

Anode Voltage	...	...	...	...	250 volts
Grid Voltage	...	...	...	...	0 volts
Anode Current (Zero Signal)	...	...	...	...	39 mA
Anode Current (Max. Signal)	...	...	...	...	43.2 mA
Output Load Impedance (Anode-Anode)	...	...	...	...	20 k Ω
R.M.S. Input Voltage (Grid-Grid)	...	...	...	...	32 volts
Grid Current	...	...	...	...	12.8 mA
Total Harmonic Distortion	...	...	...	...	11.5 per cent.
Power Output	...	...	...	...	6.7 watts

INTER-ELECTRODE CAPACITANCES†

	Section 1	Section 2
Input	2.3	2.3 pF
Output	0.95	0.85 pF
Grid to Anode	2.1	2.1 pF
Heater to Cathode	4.9	4.9
Grid 1 to Anode 2		0.02 pF
Grid 2 to Anode 1		0.035 pF
Anode 1 to Anode 2		1 pF
Grid 1 to Grid 2		0.0035 pF

† With no external shield.

Type 13D3 is a commercial equivalent to CV2212.

BRIMAR 13D3 EACH SECTION

