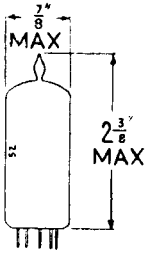
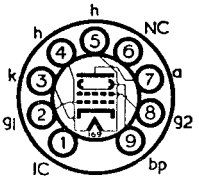


Current Equipment Type

TYPE **6BW6** MINIATURE OUTPUT BEAM TETRODE



The BRIMAR type 6BW6 is a B9A (Noval) based output beam tetrode, the characteristics and ratings of which are identical to those of the 6V6G/GT. It is suitable for R.F. application up to frequencies of the order of 150 Mc/s.

Heater Voltage	6.3 volts
Heater Current	0.45 amp.

RATINGS

Anode Voltage	315 volts max.
Anode Dissipation	12 watts max.
Screen Voltage	285 volts max.
Screen Dissipation	2.0 watts max.
Hot Spot Bulb Temperature	250° C. max.
D.C Cathode Current	65 mA max.

OPERATING CHARACTERISTICS

	Single Valve Class A		Push-Pull Class AB1 (2 valves)	
Anode Voltage	180	250	285	volts
Anode Current (Zero Signal) ...	29	47	70	mA
Anode Current (Max. Signal) ...	—	—	78.5	mA
Screen Voltage	180	250	285	volts
Screen Current (Zero Signal) ...	3.0	5	4.0	mA
Screen Current (Max. Signal) ...	—	—	10	mA
Cathode Bias Resistor	250	240	260	ohms
Anode Impedance	58000	52000	—	ohms
Mutual Conductance	3.7	4.1	—	mA/V
Optimum Load	5500	5000	8000	ohms
Power Output	1.7	4.5	12	watts
Harmonic Distortion	7.5	8	1	per cent.

OPERATION AS A TRIODE (Anode and Screen Strapped)

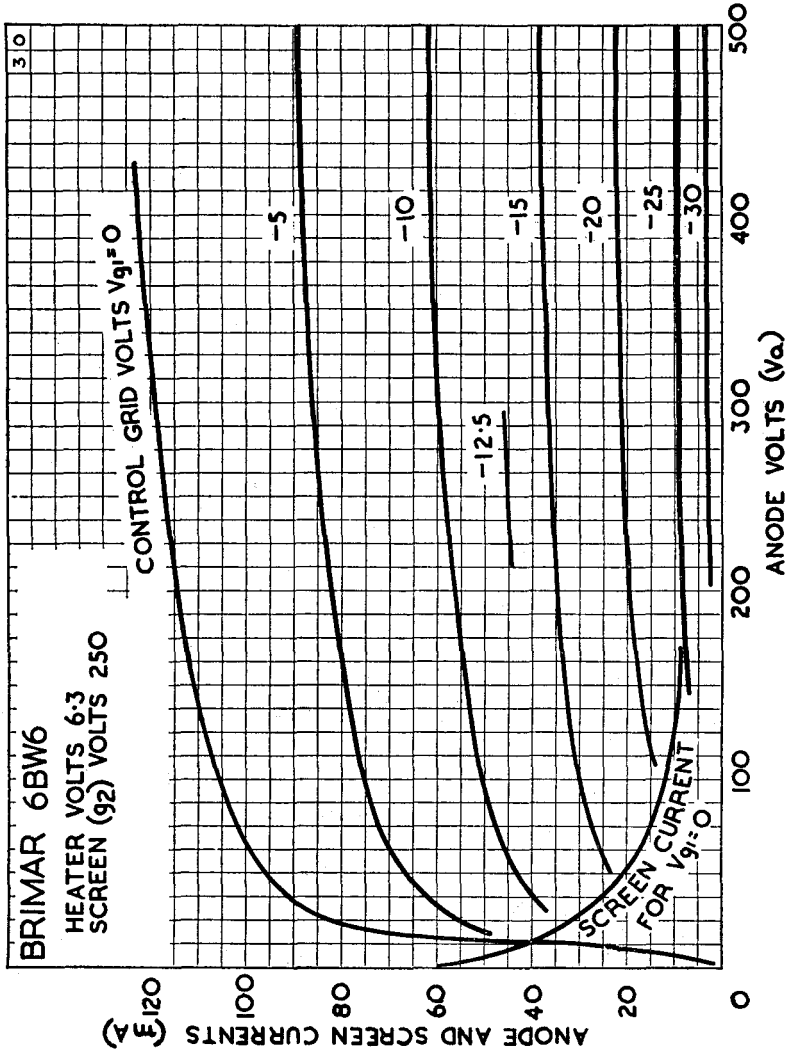
CLASS A PUSH-PULL (2 valves)

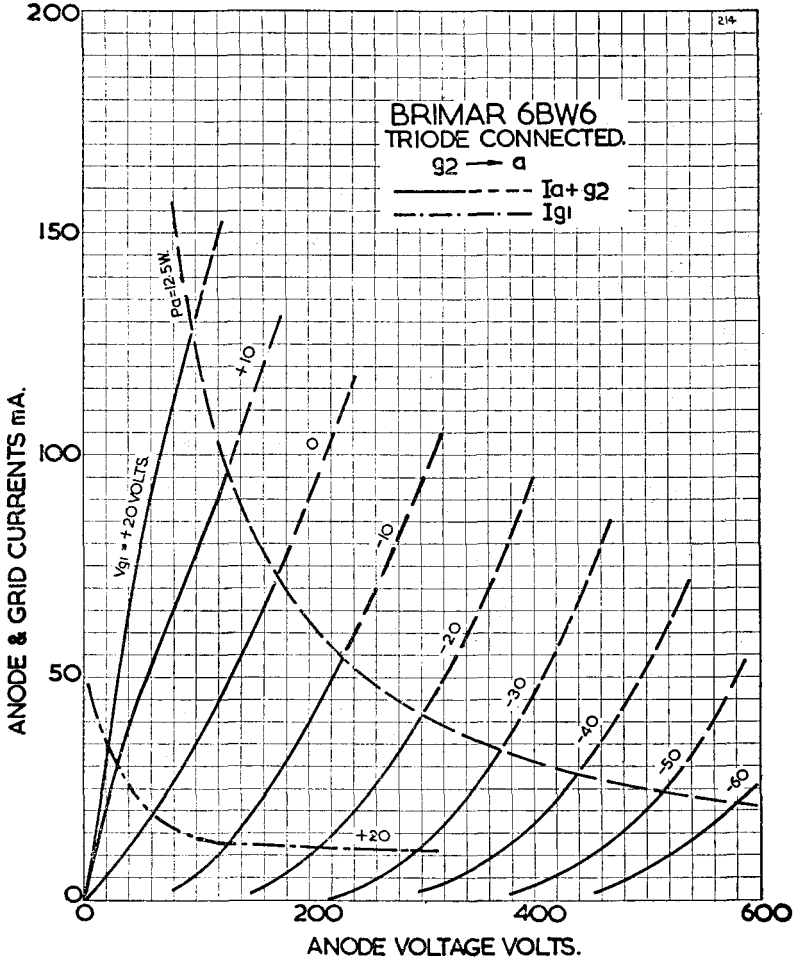
Anode Voltage	250	285	volts
Grid Voltage	—13.5	—19	volts
Cathode Bias Resistor	150	240	ohms
Anode Current (no signal)	90	78	mA
Optimum Load (anode to anode)	4000	4500	ohms
Power Output	1.7	3.1	watts
Harmonic Distortion	0.4	0.5	per cent.

INTER-ELECTRODE CAPACITANCES

Input	8.5 pF
Output	7.5 pF
Grid to Anode	0.6 pF

Type 6BW6 *is a commercial equivalent of the* CV2136.


BRIMAR 6BW6
HEATER VOLTS 6·3
SCREEN (g2) VOLTS 250
CONTROL GRID VOLTS Vg1=0
-5
-10
-12·5
-15
-20
-25
-30
SCREEN CURRENT FOR Vg1=0
ANODE AND SCREEN CURRENTS (mA)
ANODE VOLTS (Va)
0
20
40
60
80
100
120
100
200
300
400
500



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