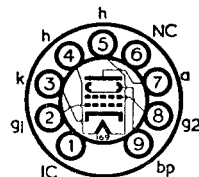


Current Equipment Type

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. applications 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.

