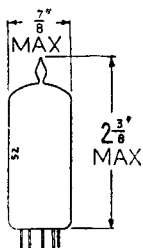


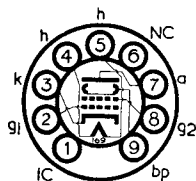
# 6BW6

## Current Equipment Type

### TYPE 6BW6 MINIATURE OUTPUT BEAM TETRODE



B9A (Noval) Base



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.

#### RATINGS

Heater Voltage	...	...	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	...	...	0.45 amp.
Anode Voltage	...	...	...	...	...	...	315 volts max.
Anode Dissipation	...	...	...	...	...	...	12.0 watts max.
Screen ( $g_2$ ) Voltage	...	...	...	...	...	...	285 volts max.
Screen Dissipation	...	...	...	...	...	...	2.0 watts max.
Bulb Temperature	...	...	...	...	...	...	250° C. max.
D.C. Cathode Current	...	...	...	...	...	...	65 mA. max.

#### OPERATING CHARACTERISTICS

Anode Voltage	...	...	...	180	250	315	volts
Anode Current	...	...	...	29	45	34	mA
Screen Voltage	...	...	...	180	250	225	volts
Screen Current	...	...	...	3.0	4.5	2.2	mA
Control Grid ( $g_1$ ) Voltage	...	...	...	-8.5	-12.5	-13	volts
Cathode Bias Resistor	...	...	...	270	250	360	ohms
Anode Impedance	...	...	...	58,000	52,000	77,000	ohms
Mutual Conductance	...	...	...	3.7	4.1	3.75	mA/V
Inner Amplification Factor ( $\mu_{g_1, g_2}$ )	...	...	...	—	10	—	
Optimum Load	...	...	...	5,500	5,000	8,500	ohms
Power Output	...	...	...	2.0	4.5	5.5	watts
Harmonic Distortion	...	...	...	8.0	8.0	12	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.

