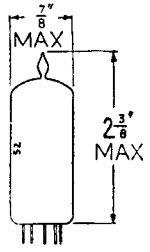
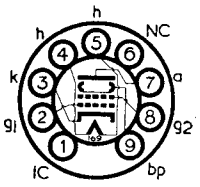
Current Equipment Type



B9A (Noval) Base

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.

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 (μ_{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 commerical equivalent of the CV2136.