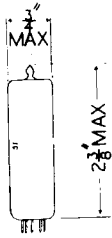
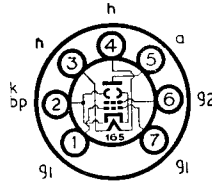


## Current Equipment Type

### TYPE 6AQ5 MINIATURE OUTPUT BEAM TETRODE



B7G Base



The BRIMAR type 6AQ5 is a miniature output tetrode for use in A.C. equipment. The characteristics are similar to those of type 6V6GT.

#### RATINGS

Heater Voltage	...	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	...	0.45 amp.
Anode Voltage	...	...	...	...	...	250 volts max.
Anode Dissipation	...	...	...	...	...	12 watts max.
Screen ( $g_2$ ) Voltage	...	...	...	...	...	250 volts max.
Screen Dissipation	...	...	...	...	...	2.0 watts max.
Heater-Cathode Potential	...	...	...	...	...	250 volts max.
D.C. Cathode Current	...	...	...	...	...	65mA max.

#### OPERATING CHARACTERISTICS

Anode Voltage	...	...	...	...	...	180	250 volts
Anode Current	...	...	...	...	...	29	45 mA
Screen Voltage	...	...	...	...	...	180	250 volts
Screen Current	...	...	...	...	...	3.0	4.5 mA
Control Grid ( $g_1$ ) Voltage	...	...	...	...	...	-8.5	-12.5 volts
Cathode Bias Resistor	...	...	...	...	...	270	240 ohms
Anode Impedance	...	...	...	...	...	58,000	52,000 ohms
Mutual Conductance	...	...	...	...	...	3.7	4.1 mA/V.
Inner Amp. Factor ( $\mu_{g_1, g_2}$ )	...	...	...	...	...	10	10
Optimum Load	...	...	...	...	...	5,500	5,000 ohms
Power Output	...	...	...	...	...	2.0	4.5 watts
Harmonic Distortion	...	...	...	...	...	8.0	8.0 per cent.

#### INTER-ELECTRODE CAPACITANCES \*

Input	...	...	...	...	...	...	...	7.6 pF
Output	...	...	...	...	...	...	...	6.0 pF
Control Grid to Anode	...	...	...	...	...	...	...	0.35 pF

\* With no external shield.

The characteristic curves of the 6BW6 apply to the 6AQ5 within its ratings.

Type 6AQ5 is a commercial equivalent to the CV1862