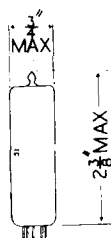
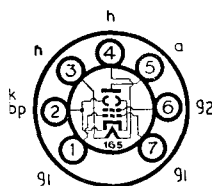


Current Equipment Type



B7G Base

TYPE **6AQ5**
 MINIATURE
 OUTPUT BEAM
 TETRODE



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 (μ_{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

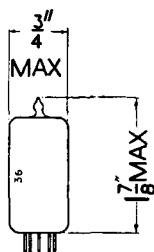
* With no external shield.

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

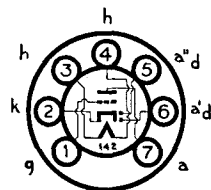
Type 6AQ5 is a commercial equivalent to the CV1862

Current Equipment Type

TYPE 6AT6 DOUBLE DIODE TRIODE



B7G Base



RATINGS

Heater Voltage	...	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	...	0.3 amp.
Anode Voltage	...	...	...	...	...	300 volts max.
Diode Current	...	...	...	...	...	1.0 mA max.

OPERATING CHARACTERISTICS

Anode Voltage	...	...	...	...	...	250 volts
Anode Current	...	...	...	...	...	1.0 mA
Grid Voltage	...	...	...	...	...	—3 volts
Anode Impedance	...	...	...	...	...	58,000 ohms
Mutual Conductance	...	...	...	...	...	1.2 mA/V
Amplification Factor...	...	...	...	...	...	70

OPERATING AS RESISTANCE COUPLED AMPLIFIER

Anode Supply Voltage	...	...	...	100	250	250 volts
Anode Load Resistor	...	...	...	0.5	0.25	0.25 meg.
Grid Resistor	...	...	...	1.0	1.0	1.0 meg.
Cathode Bias Resistor	...	...	...	9,000	3,000	0 ohms
Peak Output	...	...	...	16	43	40 volts
*Stage Gain	...	...	...	33	42	42
*Harmonic Distortion	...	...	...	2	1	5 per cent.

* Figures are for 12 volts peak output

INTER-ELECTRODE CAPACITANCES *

Grid to Cathode	...	...	...	...	...	2.3 pF
Anode to Cathode	...	...	...	...	...	1.1 pF
Grid to Anode	...	...	...	...	...	2.1 pF
Diode Anode (a"d) to Grid...	...	...	...	...	...	0.025 pF max.

* With no external shield

Type 6AT6 is a commercial equivalent of the CV452