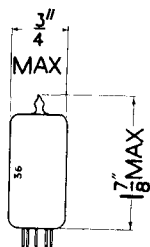
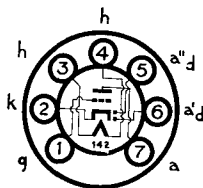


6AV6



Current Equipment Type

TYPE 6AV6 DOUBLE DIODE TRIODE



The BRIMAR 6AV6 is a miniature double diode triode for use in A.M. receivers for signal detection, A.G.C. and A.F. amplification.

RATINGS

Heater Voltage	...	...	...	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	...	...	...	0.3 amps.
Anode Voltage	...	...	...	...	...	...	...	300 volts max.
Anode Dissipation	...	...	...	...	...	...	...	1 watt max.
Diode Anode Current	...	...	...	...	...	...	...	1 mA max.

OPERATING CHARACTERISTICS (Triode Section)

Anode Voltage	...	...	...	...	...	100	250	volts
Grid Voltage	...	...	...	...	...	-1	-2	volts
Anode Current	...	...	...	...	...	0.5	1.2	mA
Mutual Conductance	...	...	...	...	...	1.25	1.6	mA/V
Amplification Factor	...	...	...	...	...	100	100	
Anode Resistance	...	...	...	...	...	80	62.5	kilohms

OPERATION AS AN R.C. COUPLED AMPLIFIER

Anode Supply Voltage	...	...	...	...	...	100	250	volts
Anode Resistor	...	...	...	...	...	220	220	kilohms
Cathode Resistor	...	...	...	...	...	7.5	3.3	kilohms
Gain	...	...	...	...	...	45	62	
Peak Output Voltage	...	...	...	...	...	10	50	volts

INTER-ELECTRODE CAPACITANCES

Triode Input	...	...	...	...	...	...	2.3 pF
Triode Output	...	...	...	...	...	...	1.1 pF
Triode Grid to Triode Anode	...	...	...	...	...	...	2.1 pF
Diode Anode to Grid	...	...	...	...	...	...	0.025 pF max.

