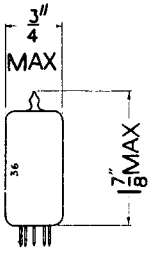
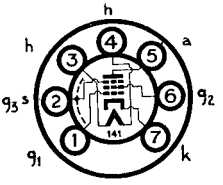


Current Equipment Type

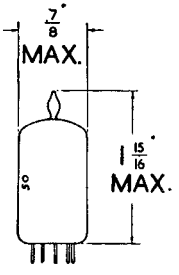
TYPE 12AU6
HIGH SLOPE
R.F. PENTODE



RATINGS

Heater Voltage	12.6 volts
Heater Current	0.15 amp.

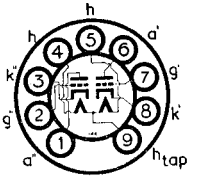
For further information and characteristics refer to type 6AU6.



B9A (Noval) Base

Current Equipment Type

TYPE 12AU7
MINIATURE
DOUBLE TRIODE
(LOW-MU)



RATINGS

Heater Voltage	6.3 / 0.3	or	12.6 volts / 0.15 amp.
Heater Current...			
Anode Voltage	300		volts max.
Anode Dissipation (per section)	2.75		watts max.
Cathode Current (per section)	20		mA max.
Anode Voltage (zero Anode Current) ...	550		volts max.

OPERATING CHARACTERISTICS

Anode Voltage	100	250	volts
Anode Current	11.8	10.5	mA
Grid Voltage	0	—8.5	volts
Anode Impedance	6,250	7,700	ohms
Mutual Conductance	3.1	2.2	mA/V
Amplification Factor	19	17	

OPERATION AS RESISTANCE COUPLED AMPLIFIER

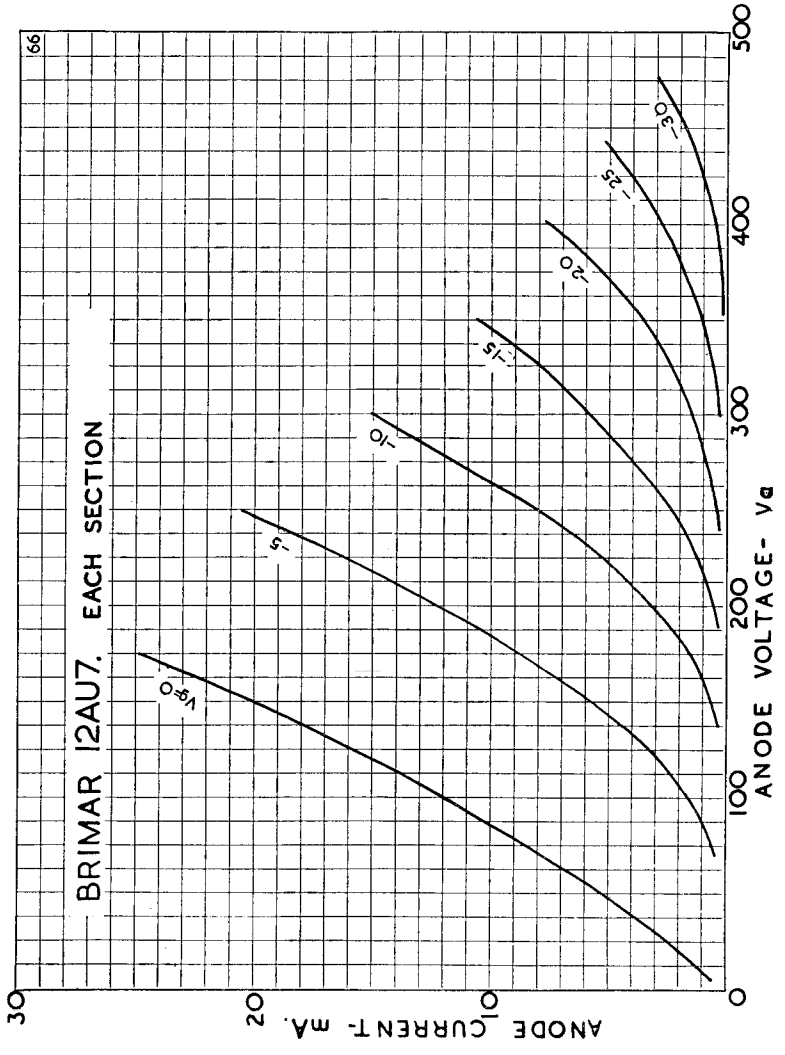
Anode Supply Voltage	100	250	volts
Anode Load Resistor	0.1	0.1	meg.
Cathode Bias Resistor	4,000	3,000	ohms
Peak Output	17	50	volts
Stage Gain	11	12	

INTER-ELECTRODE CAPACITANCES *

	Section 1	Section 2
Input	1.6	1.6 pF
Output	0.5	0.35 pF
Grid to Anode	1.5	1.5 pF

* *With no external shield.*

Type 12AU7 is a commercial equivalent of the CV491.


66
BRIMAR 12AU7. EACH SECTION
Vg=0
-.5
-1.0
-1.5
-2.0
-2.5
-3.0
ANODE CURRENT- mA.
0
10
20
30
ANODE VOLTAGE- Va
100
200
300
400
500