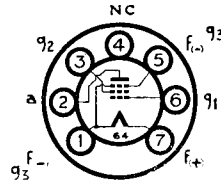
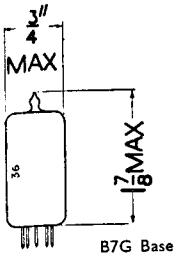


## Current Equipment Type

### TYPE 1T4 MINIATURE VARI-MU BATTERY R.F. PENTODE



BRIMAR type 1T4 is one of the series of miniature battery valves introduced for portable radio equipment. It is suitable for the R.F. or I.F. stages of receivers employing A.V.C. Type 1T4 is well screened internally and will function satisfactorily as a high gain amplifier in deaf aid or other audio apparatus.

#### RATINGS

Filament Voltage	...	...	...	...	...	1.4 volts
Filament Current	...	...	...	...	...	0.05 amp.
Anode Voltage	...	...	...	...	...	90 volts max.
Screen (g <sub>2</sub> ) Voltage	...	...	...	...	...	67.5 volts max.
Cathode Current	...	...	...	...	...	5.5 mA max.

#### CHARACTERISTICS

Anode Voltage	...	...	...	45	90	90	volts
Anode Current	...	...	...	1.7	1.8	3.5	mA
Screen Voltage	...	...	...	45	45	67.5	volts
Screen Current	...	...	...	0.7	0.65	1.4	mA
Control Grid (g <sub>1</sub> ) Voltage	...	...	...	0	0	0	volts*
Mutual Conductance	...	...	...	0.7	0.75	0.9	mA/V
Anode Impedance	...	...	...	0.35	0.8	0.5	meg.
Control Grid Bias	...	...	...	-10	-10	-16	volts

(for Mutual Conductance of 0.01 mA/V).

#### RESISTANCE COUPLED OPERATION

Anode and Screen Supply Voltages	...	45	67.5	90	volts
Anode Load Resistor	...	0.5	0.5	0.5	meg.
Screen Series Resistor	...	0.75	1.0	1.0	meg.
Control Grid Resistor	...	1.0	1.0	1.0	meg.*
Peak Output	...	7.5	15	20	volts
Voltage Gain	...	30	50	56	

\* Control grid return taken to negative filament (Pin 1).

#### INTER-ELECTRODE CAPACITANCES †

Input	...	...	...	...	3.6 pF
Output	...	...	...	...	7.5 pF
Control Grid to Anode	...	...	...	...	0.01 pF max.

† With external shield connected to Pin 1.

Type 1T4 is a commercial equivalent to the CV785

