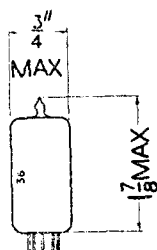
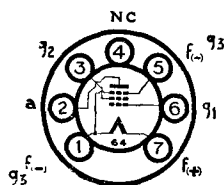


Current Equipment Type



B7G Base

TYPE 1L4 MINIATURE BATTERY R.F. PENTODE



BRIMAR type 1L4 may be used as R.F. or I.F. amplifier in stages where A.V.C. is not applied. It is also suitable for R.C. coupled A.F. amplifier operation.

RATINGS

Filament Voltage	...	...	...	...	...	1.4 volts
Filament Current	...	...	...	...	...	0.05 amp
Anode Voltage	...	...	...	...	...	110 volts max.
Screen (g_2) Voltage	...	...	...	...	...	90 volts max.
Cathode Current	...	...	...	...	...	6.5 mA max.

CHARACTERISTICS

Anode Voltage	...	...	...	...	...	90	90	volts
Anode Current	...	...	...	...	...	2.9	4.5	mA
Screen Voltage	...	...	...	...	...	67.5	90	volts
Screen Current	...	...	...	...	...	1.2	2.0	mA
Control Grid (g_1) Voltage	...	...	...	...	...	0	0	volts*
Mutual Conductance	...	...	...	...	...	0.93	1.03	mA/V
Anode Impedance	...	...	...	...	...	0.6	0.35	meg.
Control Grid Voltage	...	...	...	...	...	-6	-8	volts

(For Anode current of 0.01 mA)

RESISTANCE COUPLED OPERATION

Anode and Screen Supply Voltages	...	45	67.5	90	volts
Anode Load Resistor	...	0.5	0.5	1.0	meg.
Screen Series Resistor	...	0.66	1.5	2.0	meg.
Control Grid Resistor	...	1.0	1.0	1.0	meg.*
Peak Output	...	17	30	35	volts
Voltage Gain	...	30	45	55	—

(For 6 volts peak output, distortion 2%)

*The Grid return should be made to negative filament (pin 1) via a resistance of at least 0.5 meg. to minimize variations due to contact potential.

INTER-ELECTRODE CAPACITANCES †

Input	...	...	...	...	...	3.6	pF
Output	...	...	...	...	...	7.5	pF
Control Grid to Anode	...	...	...	...	...	0.008	pF max.

† With no external shield.

Type 1L4 is a commercial equivalent to the CV1758

