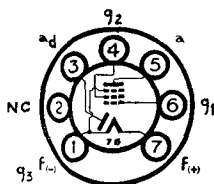


B7G Base

Current Equipment Type
TYPE 155
MINIATURE BATTERY
DIODE PENTODE



BRIMAR type 155 is one of the series of miniature battery valves introduced for portable radio equipment. It is designed for use as detector, A.V.C. and audio amplifier valve in superheterodyne receivers. Special care has been taken in the manufacture of type 155 to reduce noise and microphony to a low level.

RATINGS

Filament Voltage	...	...	...	...	...	1.4 volts
Filament Current	...	...	...	...	...	0.05 amp.
Anode Voltage	...	...	...	...	...	90 volts max.
Screen (g ₂) Voltage	...	...	...	...	...	90 volts max.
Cathode Current	...	...	...	...	...	3.0 mA max.

CHARACTERISTICS

Anode Voltage	...	...	...	45	...	67.5 volts
Anode Current	...	...	...	0.75	...	1.6 mA
Screen Voltage	...	...	...	45	...	67.5 volts
Screen Current	...	...	...	0.18	...	0.4 mA
Control Grid (g ₁) Voltage	...	...	...	0	...	0 volts*
Mutual Conductance	...	...	...	0.50	...	0.625 mA/V
Anode Impedance	...	...	...	1.0	...	0.6 meg.

RESISTANCE COUPLED OPERATION

Anode and Screen Supply Voltage	...	45	67.5	90	volts
Anode Load Resistor	...	1.0	1.0	1.0	meg.
Screen Series Resistor	...	1.9	2.2	2.5	meg.
Control Grid Resistor	...	10	10	10	meg.*
Peak Output	...	14	17	31	volts
Voltage gain	...	31	36	45	

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

INTER-ELECTRODE CAPACITANCES †

Input	...	...	...	...	...	2.2 pF
Output	...	...	...	...	...	2.4 pF
Control Grid to Anode	...	...	...	...	...	0.2 pF
Diode to all other electrodes	...	...	...	...	...	3.0 pF

† With no external shield.

Type 155 is a commercial equivalent to the CV784

