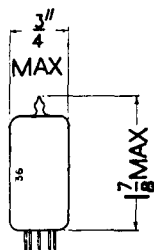
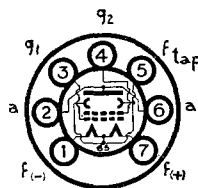


Replacement Type

TYPE 354

MINIATURE BATTERY
OUTPUT BEAM TETRODE

B7G Base



BRIMAR type 354 completes the range of miniature valves for use in battery receivers and compact portable equipment. The filament is in two sections which may be series or parallel connected. When series connected type 354 may be used in conjunction with other valves in the range and the filament operated from a high voltage source where the current is limited to 50 mA. When parallel connected this valve has identical characteristics to BRIMAR type 154 which it supersedes.

RATINGS

	Parallel Filaments	Series Filaments†	
Filament Voltage	1.4	2.8	volts
Filament Current	0.1	0.05	amp.
Anode Voltage	90	90	volts max.
Screen (g_2) Voltage	67.5	67.5	volts max.
Cathode Current (no signal) ...	9.0	4.5††	mA max.
Cathode Current (max. signal) ...	11.0	5.5††	mA max.

OPERATING CHARACTERISTICS

	Parallel Filaments	Series Filaments†	
Anode Voltage	67.5	67.5	volts
Anode Current	7.2	6.0	mA
Screen Voltage	67.5	67.5	volts
Screen Current	1.5	1.2	mA
Control Grid (g_1) Voltage	-7.0	-7.0	volts*
Mutual Conductance	1.55	1.4	mA/V
Anode Impedance	0.1	0.1	meg.
Optimum Load	5,000	5,000	ohms
Power Output	0.18	0.16	watts
Harmonic Distortion	10	12	per cent.

† For series operation of the sections, a shunting resistor must be connected across the section between Pins No. 1 and No. 5 to by-pass any cathode current in excess of the rated maximum per section. When other tubes in series-filament arrangement contribute to the filament current of the 354, an additional shunting resistor may be required between Pins 1 and No. 7.

†† Values are for each 1.4 volt section.

* Control grid volts measured from negative filament (Pin 5 in parallel connection, Pin 1 in series connection).

Type 354 is a commercial equivalent to the CV820