

Mullard

MEDIUM IMPEDANCE TRIODE

354V

The 354V is a medium Impedance Triode for use as detector or L.F. amplifier in A.C. mains receivers.

HEATER CHARACTERISTICS

Heater Volts	Vf = 4.0 volts
Heater Current	If = 0.65 amp.
Heating Time	—15 seconds	

DIMENSIONS

Overall Length	= 110 mm.
Overall Diameter	= 43 mm.
Bulb Finish	—Metallised	

OPERATING CHARACTERISTICS

Anode Voltage	V _{aw}	= 250 volts
Anode Current	I _{aw}	= 6.5 mA
Grid Voltage	-V _{gw}	= 4.5 volts
Mutual Conductance	S _w	= 3.5 mA/V
Amplification Factor	G _w	= 40
Anode Impedance	R _{iw}	= 11,500 ohms
Cathode Bias Resistor	R _k	= 700 ohms

OPERATING CHARACTERISTICS AS R.C. AMPLIFIER

Line Voltage	V _{eline}	= 250 volts
Anode Current	I _a	= 1.9 mA
Grid Voltage	-V _g	= 3.4 volts
Optimum Load	R _a	= 40,000 ohms
Cathode Bias Resistor	R _k	= 1,800 ohms
Amplification Factor	G	= 23.5
Maximum Output Voltage (D=5% and H.)	V _o	= 42.5 volts

CAPACITIES

Anode-Control Grid	C _{ag1}	= 3.3 μF
Grid-Cathode	C _{gk}	= 3.3 μF
Anode-Cathode	C _{ak}	= 4.2 μF

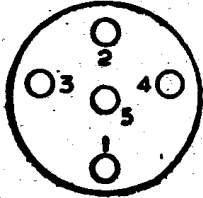
LIMITS

Maximum Anode Voltage	V _{a,max}	= 250 volts
Maximum Anode Dissipation	W _{a,max}	= 2.0 watts
Maximum Cathode Current	I _{k,max}	= 10 mA
Maximum Resistance in Grid Circuit	R _{g1,max}	= 1.5 megohms
Maximum Voltage between Heater and Cathode	V _{hk,max}	= 50 volts
Maximum Resistance between Heater and Cathode	R _{hk,max}	= 20,000 ohms
Range of Grid Voltage for 1 μA grid current	V _{g1}	= -0.5 to -1.0 volt

354V

Mullard MEDIUM IMPEDANCE TRIODE

CONNECTIONS

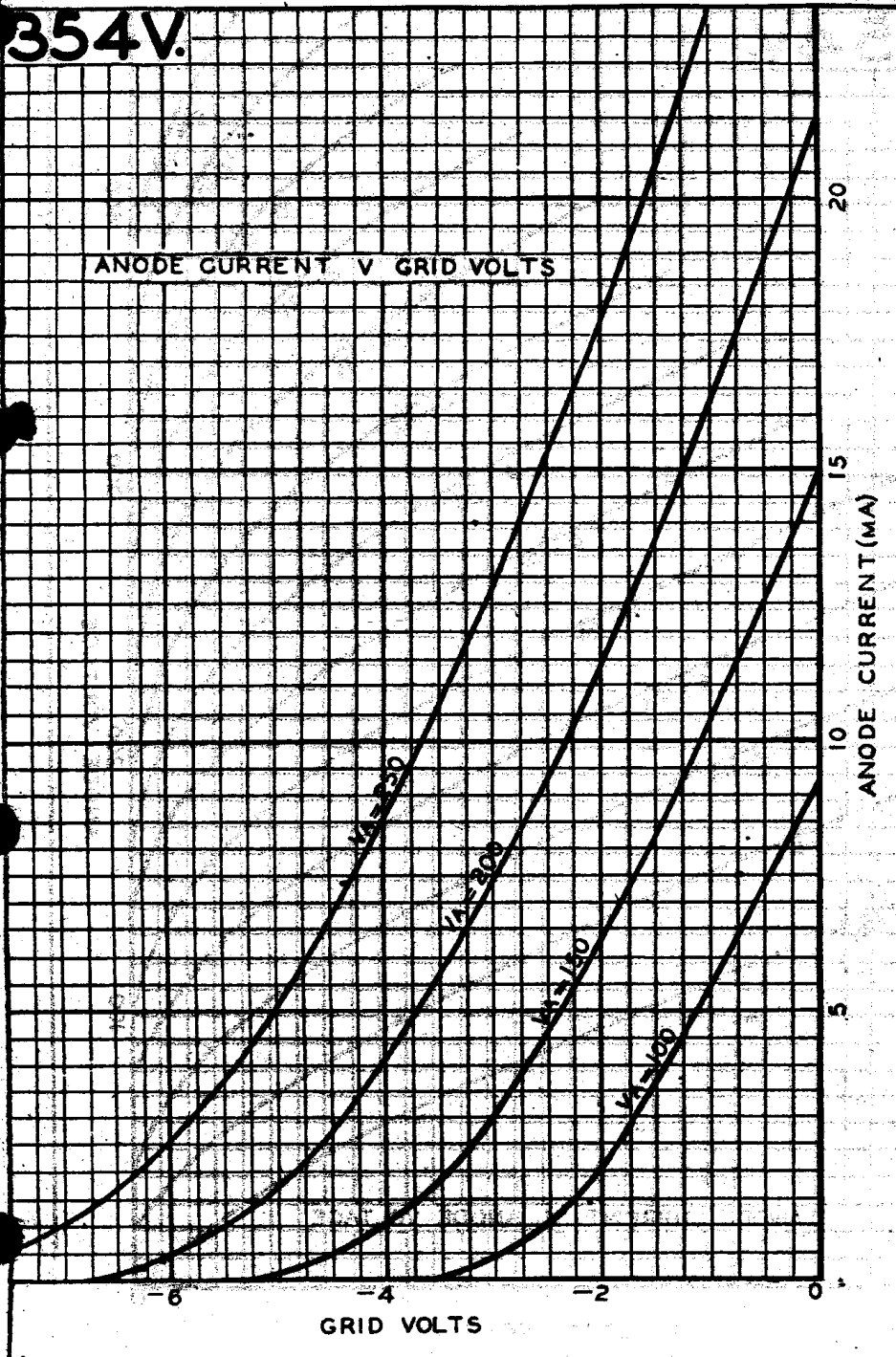


Viewed from free end of pins.

- Pin No. 1 Anode
- „ 2 Control Grid
- „ 3 Heater
- „ 4 Heater
- „ 5 Cathode

Mullard
MEDIUM IMPEDANCE TRIODE

354V



354V

Mullard MEDIUM IMPEDANCE TRIODE

