# Mullard
## GAS TRIODE

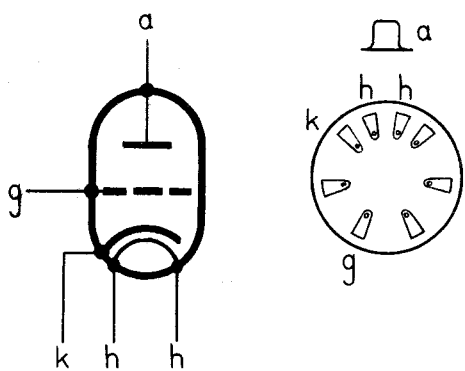
# EC50

| | | | |
|---|---|---|---|
| Heater | Vf | = | 6.3 V |
| | If | = | 1.3 A |
| Capacities | Cak | = | 3.8 uuF |
| | Cgk | = | 6.1 uuF |
| | Cag | = | 2.7 uuF |

Operating Conditions

| | | |
|---|---|---|
| V max (peak) between any two electrodes .. | 1,500 | V |
| Va max (peak) ..... | 1,000 | V |
| Ia max (average) ..... | 10 | mA |
| Ia max (peak) ..... | 750 | mA |
| Rg min ..... | 1,000 | Ω/V |
| Rg max ..... | 0.5 | mΩ/V |
| Gas Voltage Drop ..... | 35 | V |
| Control Ratio ..... | 35 | |
| Vfk max ..... | 100 | V |

Arrangement of electrodes and base connections.



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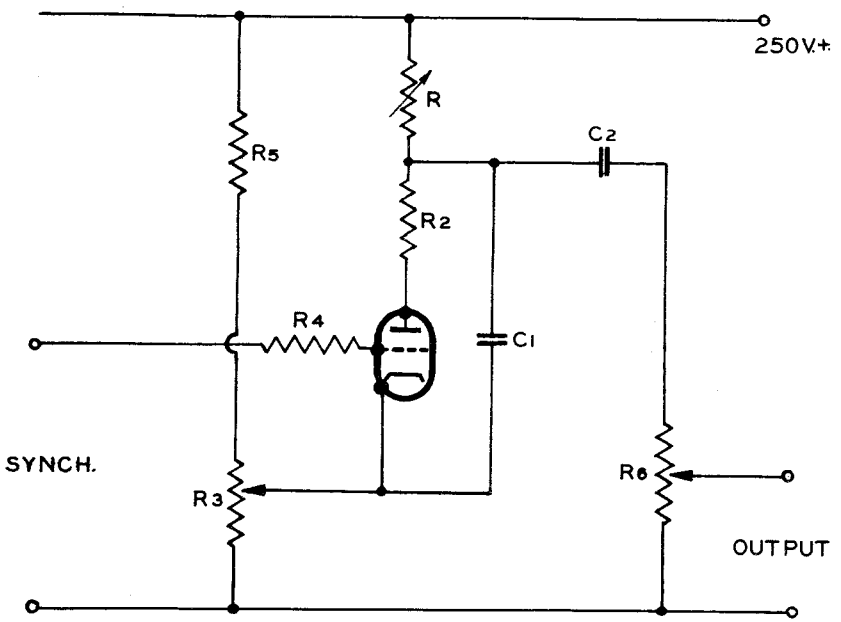
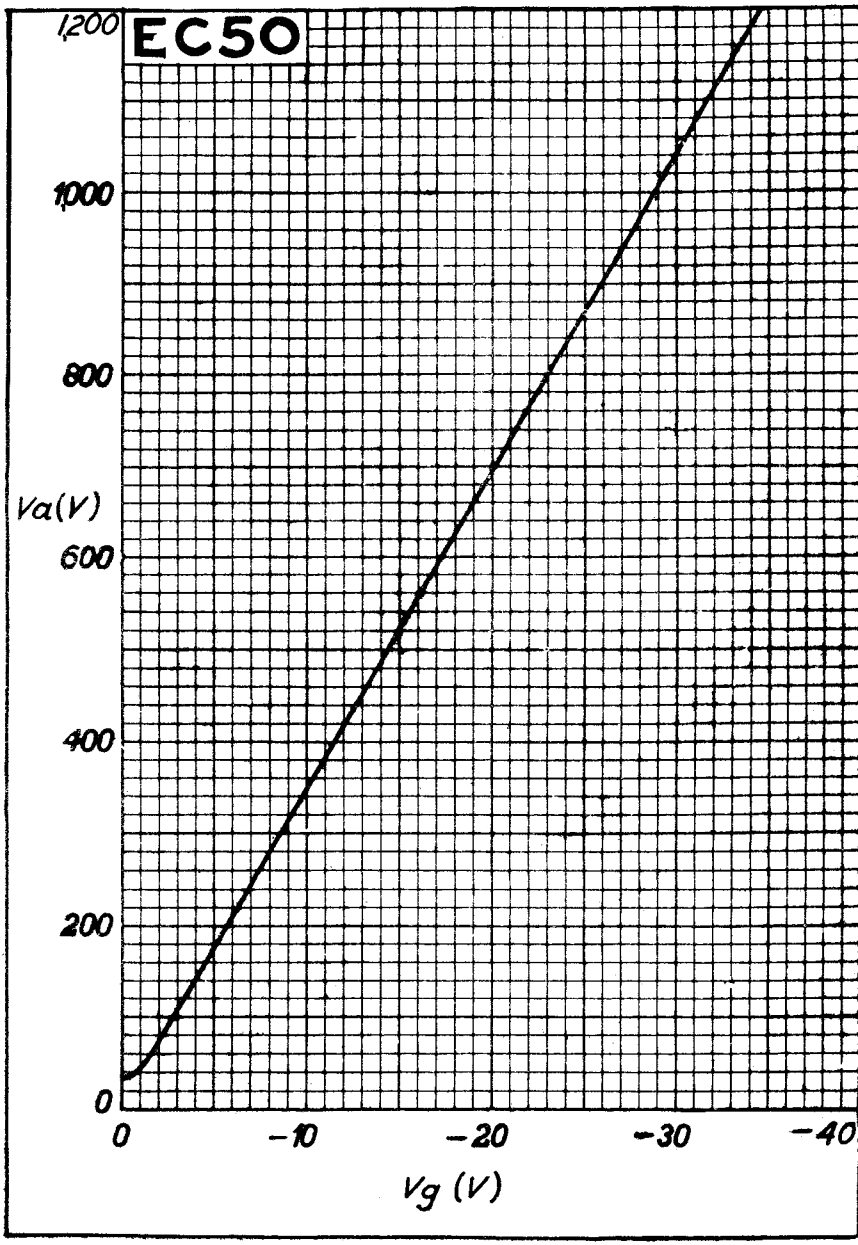
CIRCUIT DIAGRAM




CIRCUIT CONSTANTS

| | | | |
|---|---|---|---|
| Grid resistance R4 | = | 1,000 | ohms/V |
| Anode resistance R2 | = | 2 | ohms/V |
| Peak discharge current | = | 500 | mA |
| D.C. drain (including R5) | = | 4-10 | mA |
| R1 | = | 0-0.5 | megohm |
| R3 | = | 0-10,000 | ohms |
| R5 | = | 0.1 | megohm |
| R6 min. | = | 0.5 | megohm |
| C1 | = | 1,000 uuF to 0.5 uF | |
| C2 | = | 0.5 | uF |
| Frequency Range | = | 25-25,000 | cs. |

EC50


EC50
1,200
1,000
800
Va(V)
600
400
200
0
0
-10
-20
-30
-40
Vg (V)