

H63 L63



H63 TRIODE

DESCRIPTION

Type H63 is a "high mu" indirectly heated triode for use in the early stages of an audio frequency amplifier, or as a detector. It is interchangeable with American type 6F5G.

L63 TRIODE

DESCRIPTION

Type L63 is a medium impedance indirectly heated triode for use in the early stages of an audio frequency amplifier, as an oscillator or as a detector. It is interchangeable with American type 6J5G.

RATINGS

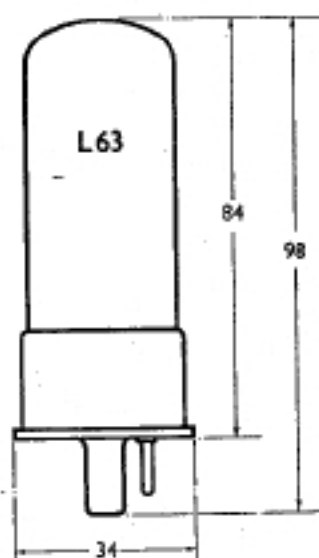
| | H63 | | | L63 | | |
|-----------------------|-----|-----|--------|-------|-----|------------|
| Heater Voltage | ... | ... | 6.3 | 6.3 | ... | volts |
| Heater Current | ... | ... | 0.3 | 0.3 | ... | amp |
| Anode Voltage | ... | ... | 250 | 250 | ... | max. volts |
| Amplification Factor* | ... | ... | 100 | 20 | ... | |
| Impedance* | ... | ... | 66,000 | 7,700 | ... | ohms |
| Mutual Conductance* | ... | ... | 1.5 | 2.6 | ... | mA/V |

* Measured at $V_a = 100$, $V_g = 0$

Capacitances (taken on unshielded valve):

| | | | | | |
|------------------|-----|-----|-----|-----|------------|
| Grid to Cathode | ... | 2.3 | ... | 3.8 | approx. pF |
| Anode to Cathode | ... | 3.7 | ... | 3.2 | " " |
| Anode to Grid | ... | 2.5 | ... | 4.1 | " " |

DIMENSIONS



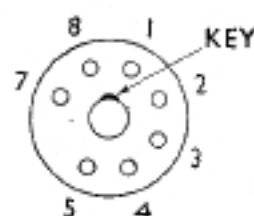
All dimensions are in mm. and are the maximum except where otherwise stated.

BASE

H63

5-PIN OCTAL

- Pin 1: Not connected
 - 2: Heater
 - 3: Omitted
 - 4: Anode
 - 5: Omitted
 - 6: Omitted
 - 7: Heater
 - 8: Cathode
- Top Cap: Grid



View looking on underside of base of L63

L63

6-PIN OCTAL

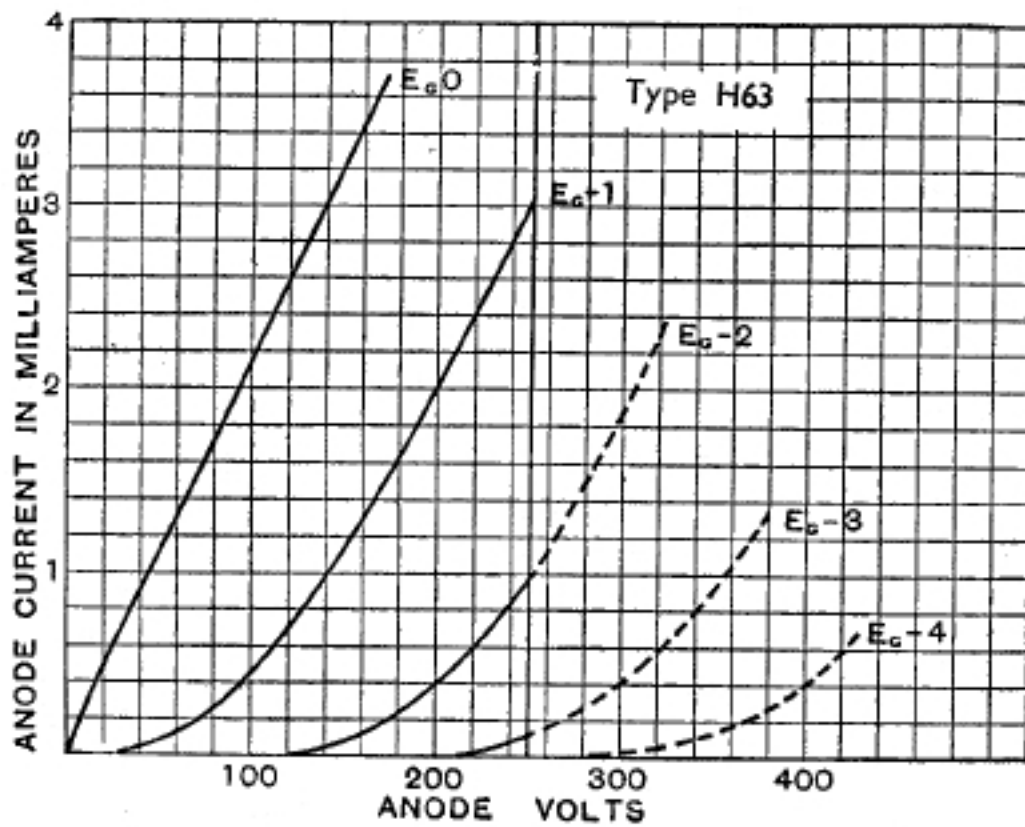
- Pin 1: Not connected
- 2: Heater
- 3: Anode
- 4: Omitted
- 5: Grid
- 6: Omitted
- 7: Heater
- 8: Cathode

Type H63 similar dimensions but fitted with top cap for grid connection, cap dimension 11 x 9 mm.

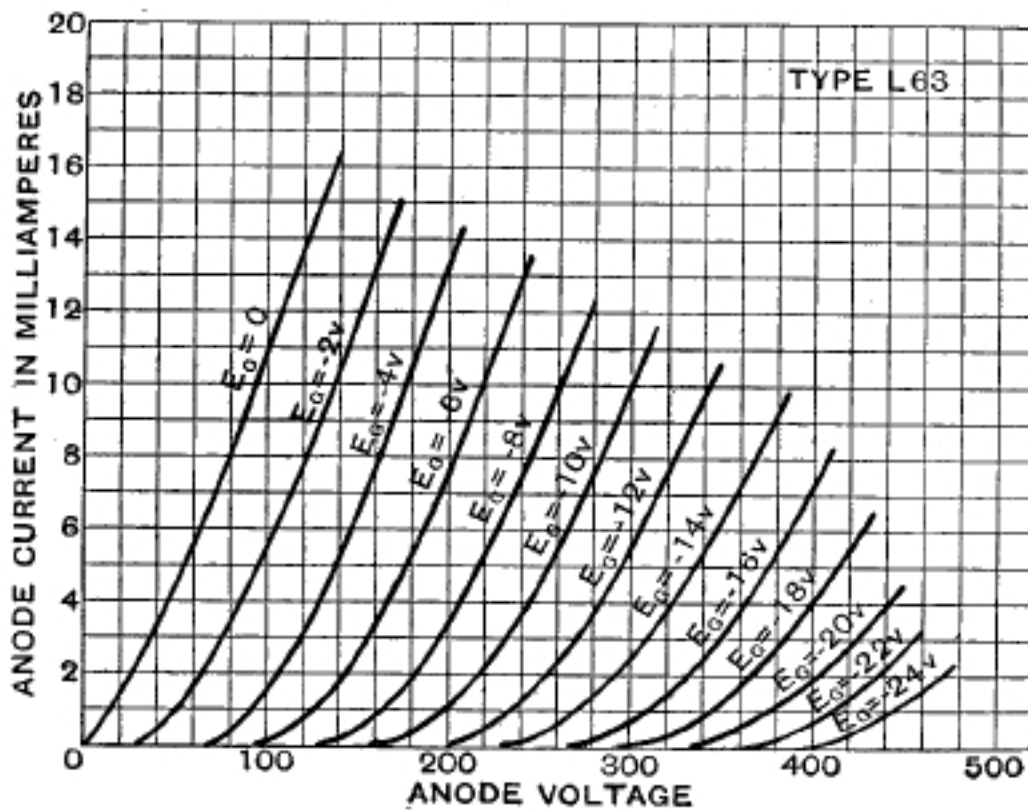
OPERATING CONDITIONS

| | H63 | | | L63 | | | |
|-----------------------|-----|---------|------|--------|-----|-----|---------------|
| Anode Voltage | ... | 250 | 200 | 250 | 200 | 150 | volts |
| Grid Voltage | ... | -2 | -1.6 | -8 | -6 | -4 | approx. volts |
| Anode Current average | ... | 1.0 | 0.9 | 9.0 | 7.5 | 6.5 | mA |
| Cathode Bias Resistor | ... | 2,000 | ... | 800 | ... | ... | ohms |
| Optimum Load Resistor | ... | 200,000 | ... | 50,000 | ... | ... | ohms |

TYPE H63



TYPE L63



CHARACTERISTIC CURVES OF AVERAGE VALVE.