

FERRANTI
BEAM TETRODES

Types 35L6G and 35L6GT are indirectly heated beam tetrodes for use in the output stages of equipments designed for AC/DC operation. These valves are capable of giving relatively high power outputs at the low voltages available in such equipments.

PHYSICAL DETAILS.

35L6G.	
Base	International Octal.
Max. Overall Length	119 mm. ($4\frac{1}{2}$ in.).
Max. Seated Height	104 mm. ($4\frac{1}{8}$ in.).
Max. Diameter (Bulb)	45 mm. ($1\frac{3}{4}$ in.).
Mounting Position	Any.

35L6GT.	
Base	International Octal.
Max. Overall Length	84 mm. ($3\frac{3}{8}$ in.).
Max. Seated Height	70 mm. ($2\frac{7}{8}$ in.).
Max. Diameter (Base)	33 mm. ($1\frac{1}{8}$ in.).
Mounting Position	Any.

BASE CONNECTIONS.

Pin 1—No Connection.	Pin 5—Control Grid (g_1).
Pin 2—Heater.	Pin 6—No Pin.
Pin 3—Anode.	Pin 7—Heater.
Pin 4—Screen Grid (g_2).	Pin 8—Cathode.

HEATER.

Heater Current	0.15 amp.
Heater Voltage	35.0 volts.

RATINGS.

Max. Anode Voltage	200 volts.
Max. Screen Voltage	110 volts.
Max. Anode Dissipation	8.5 watts.
Max. Screen Dissipation	1.0 watt.
Max. Heater-Cathode Voltage	100 volts DC.

TYPICAL OPERATION.

Single Valve Class A₁ Amplifier.

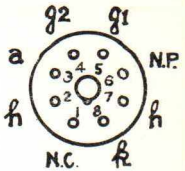
Anode Voltage	110	200	volts.
Screen Voltage	110	110	volts.
Control Grid Voltage	-7.5	-8.0	volts.
Anode Current (Zero Signal)	40	41	mA.
Anode Current (Max. Signal)	41	44	mA.
Screen Current (Zero Signal)	3	2	mA.
Screen Current (Max. Signal)	7	7	mA.
Anode Impedance (Approx.)	14000	40000	ohms.
Mutual Conductance	5.8	5.9	mA/V.
Cathode Bias Resistor	170	185	ohms.
Anode Load	2500	4500	ohms.
Power Output	1.5	3.3	watts.
Total Harmonic Distortion	10	10	%

CAPACITANCES.

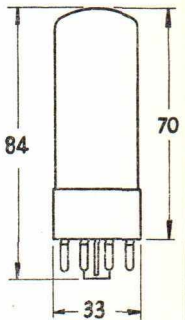
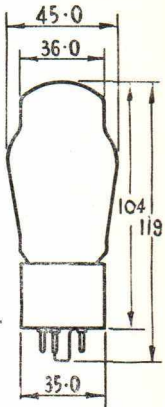
	35L6G	35L6GT
C _{in}	13.5	13.0
C _{out}	8.0	9.0
C _{a-g}	1.0	1.0

35L6G

35L6GT



Base Connections
Underside View of Base



All dimensions shown are in millimetres (max.).





35L6G

35L6GT

