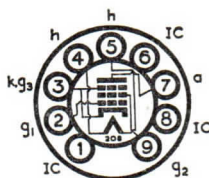


Current Equipment Type

TYPE **UL84**

MINIATURE

OUTPUT PENTODE



The BRIMAR type UL84 is a miniature, indirectly heated, high slope, output pentode for use in A.C./D.C. audio amplifiers and receivers.

Heater Current	...	...	...	...	...	0.1 amp.
Heater Voltage	...	...	...	...	...	45 volts

RATINGS

Anode Voltage ($I_a = 0$)	...	...	...	...	...	550 volts max.
Anode Voltage	...	...	...	...	...	250 volts max.
Anode Dissipation	...	...	...	...	...	12 watts max.
Screen Voltage ($I_{g_2} = 0$)	...	...	...	...	...	550 volts max.
Screen Voltage	...	...	...	...	...	200 volts max.
Screen Dissipation	...	...	...	...	...	1.75 watts max.
Screen Dissipation (max. signal, speech and music)	...	...	...	...	...	6.0 watts max.
Cathode Current	...	...	...	...	...	100 mA max.
Grid Circuit Resistance (fixed bias)	...	...	...	...	...	300 k Ω max.
Grid Circuit Resistance (cathode bias)	...	...	...	...	...	1.0 M Ω max.

OPERATING CHARACTERISTICS

		Single valve Class A	Push-pull Class AB (Two valves)
Anode Voltage	...	170	170 volts
Anode Current (zero signal)	...	70	113 mA
Anode Current (max. signal)	...	—	115 mA
Screen Voltage	...	170	170 volts
Screen Current (zero signal)	...	5.0	6.0 mA
Screen Current (max. signal)	...	—	41 mA
Control Grid Voltage	...	—12.5	— volts
Cathode Bias Resistor	...	170	120 ohms
Anode Impedance	...	23	— k Ω
Mutual Conductance	...	10	— mA/V
Optimum Load	...	2.4	3.5 k Ω
Power Output	...	5.6	13 watts
Harmonic Distortion	...	10	4.5 per cent

INTER-ELECTRODE CAPACITANCES

Input	...	...	...	...	...	12 pF
Output	...	...	...	...	...	6.0 pF
Anode to Control Grid	...	...	...	...	...	0.6 pF
Heater to Control Grid	...	...	...	...	...	0.25 pF

