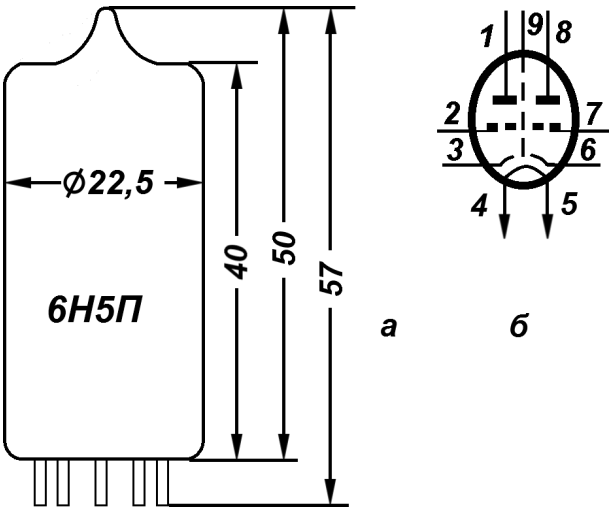
6N5P

Double triode with individual cathodes



Intended for amplification of high frequency voltage in schemes of automatic gain control.

Figure 326, Lamp 6N5P:
a — Basic dimensions
b — Schematic symbol
1 — Anode of the first triode
2 — Grid of the first triode
3 — Cathode of the first triode
4 & 5 — Heater
6 — Anode of the second triode
7 — Grid of the second triode
8 — Cathode of the second triode
9 — Screen

Indirectly heated cathode.
Works in any position.
Available in glass finger design.
Service life not less than 500 hours.
9-pin base with a button bottom.

Inter-electrode capacitance

Input of each triode		3nF
Output of the first triode		1.5nF
Output of the second triode		1.7nF
Passage of each triode		2.25nF
Between each anode	less than	0.2nF

Electrical ratings

Filament voltage		6.3V
Anode voltage		200V
Cathode automatic bias resistance		600Ω
Filament current		600mA ±50mA
Anode current	greater than	8mA
Steepness characteristics		4.2mA/V
Gain		27

* When lamp is locked (anode current is 5 μA)

Absolute maximum ratings
(for each triode)

Max filament voltage	7V
Min filament voltage	5.7V
Max anode voltage	300V
Max anode power	2.2(vm,mW?)
Max cathode current	25mA
Max voltage between cathode and heater	250V
Max leakage current between cathode and heater	20μA
Min cathode automatic bias resistance	600Ω
Max grid resistance	1MΩ

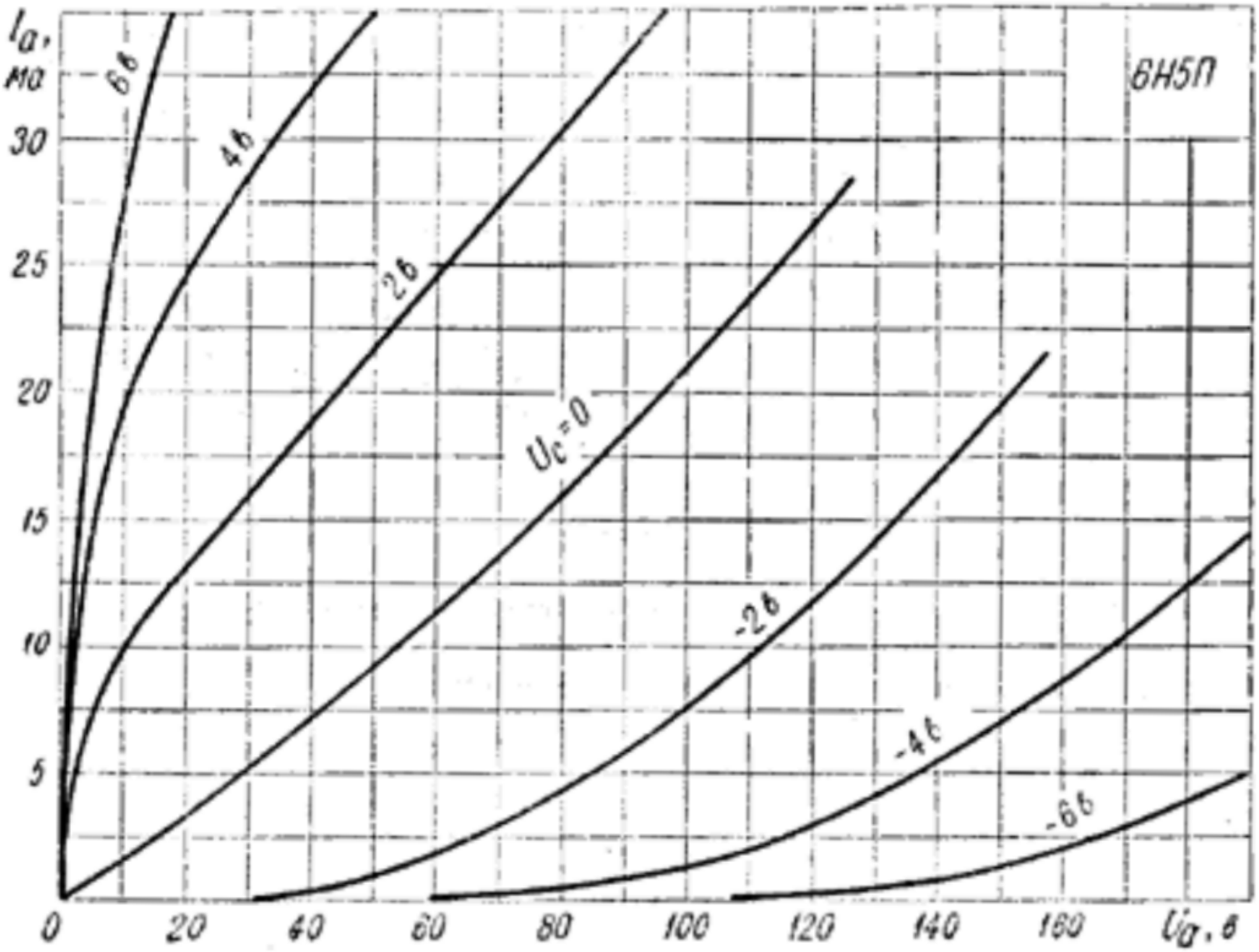


Figure 327, averaged characteristics of anode current versus anode voltage.