



The output pentode 6P43P-E It is designed to work in the frame scan TV units and output stages of low-frequency amplifiers.

Conclusions 6P43P-E:

one	not connected
2	the first grid
3	the cathode and the third grid
four	glow
five	glow
6	not connected
7	anode
eight	not connected
9	the second grid

6P43P-E lamp made at glass penlight housing with 9-pin and works in any orientation. Oxide cathode indirectly heated.

Pinout 6P43P-E lamps:



Drawing 6P43P-E lamps:



Lamp Settings 6P43P-E:

(Rated operation)

heater voltage	6,3V
voltage anode	185B
The voltage of the second grid	185B
filament current	625 ± 55mA
plate current	45 ± 9mA
anode current characteristics in the early	<0,3mA
anode current pulse ₂₎	165mA (210mA)
anode current pulse with nedonakale ₃₎	145mA
Current second grid	2,7..4,5mA
The current pulse of the second grid ₂₎	> 35mA (0,25 * I _{a.imp}).
The reverse current of the first grid	<1uA
slope	7,5 ± 1,5mA / B
The voltage of the first grid current cutoff (negative)	<1.3V
The resistance in the cathode circuit for automatic bias	340Ω
The leakage current of a cathode-heater	<25mkA
Insulation resistance katodpodogrevatel	> 5MΩ
input capacitance	1,3pF
output capacity	9pF
Checkpoint capacity	<0,7pF
The capacity of the first grid heater	<0,4pF
Life time	5000ch
Weight	20g

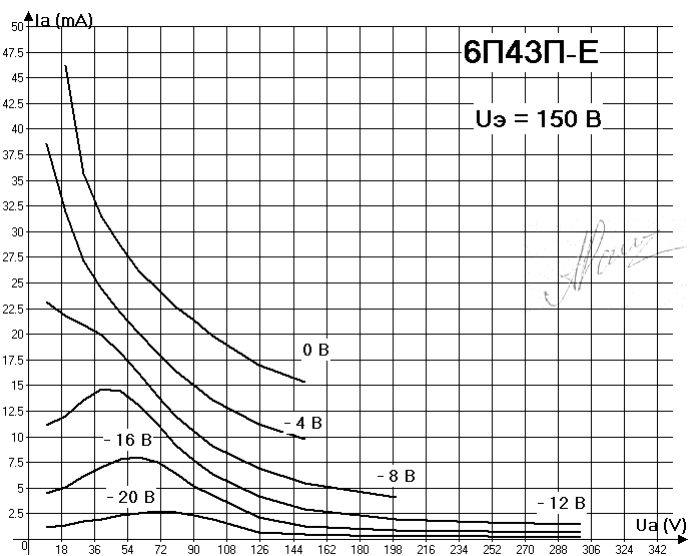
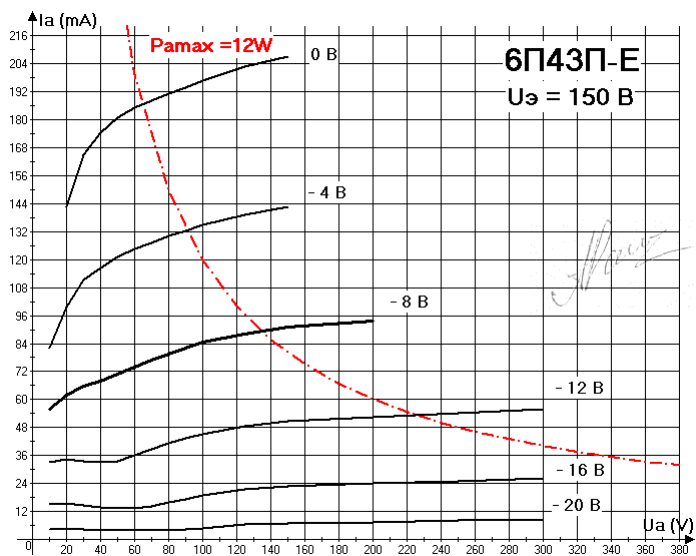
Limit lamp parameters 6P43P-E:

heater voltage	5,7..6,9V
voltage anode	300B
The voltage of the anode and the second grid when switching	550V
pulsed anode voltage (a vertical deflection)	2500V
The voltage of the second grid	250V
Maximum power on the anode	12W
Maximum power on the second grid	2W
The highest voltage between the cathode and heater	± 100V
The maximum cathode current	75mA
The maximum resistance of the first grid circuit:	
during automatic shifting for a fixed displacement	2,2MΩ 1,0MΩ
cylinder temperature	+ 260 ° C
temperature range	- 60 .. + 70 ° C

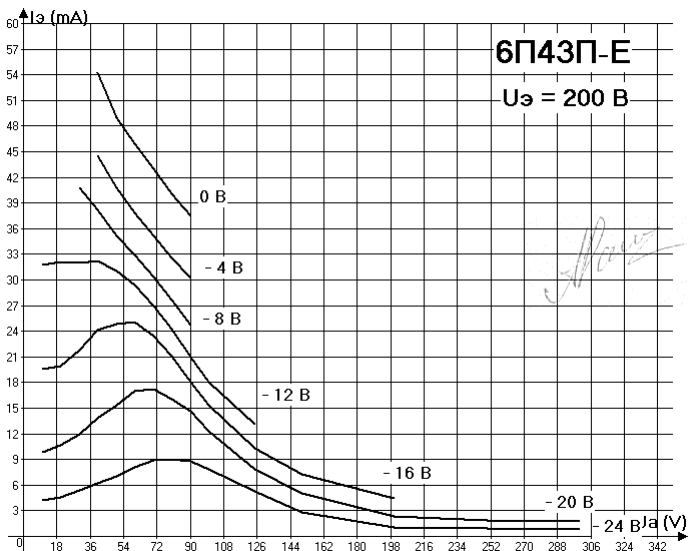
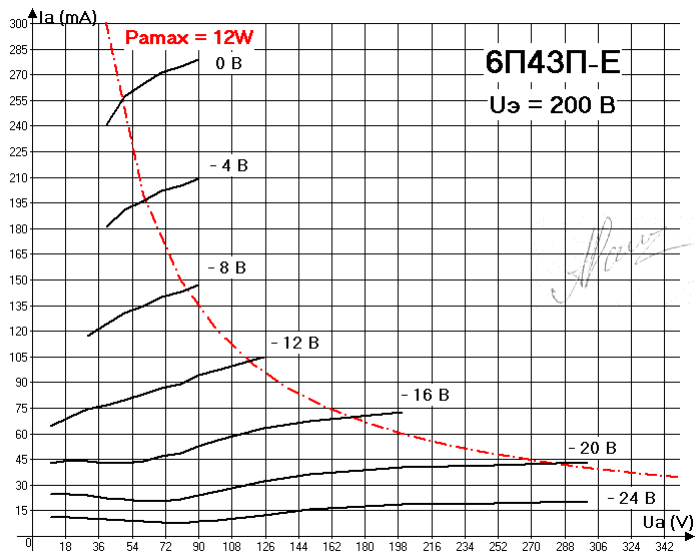
measurement modes:

- one. U_a = 170V, 170V = U_{c2}, of U_{c1} = -50V, U_n = 6,3V
2. U_a = 50V, U_{c2} = 170V, of U_{c1} = -1V, U_n = 6,3V
3. U_a = 50V, U_{c2} = 170V, of U_{c1} = -1V, U_n = 5,7V

The anode and the screen size (at $U_e = 150V$):

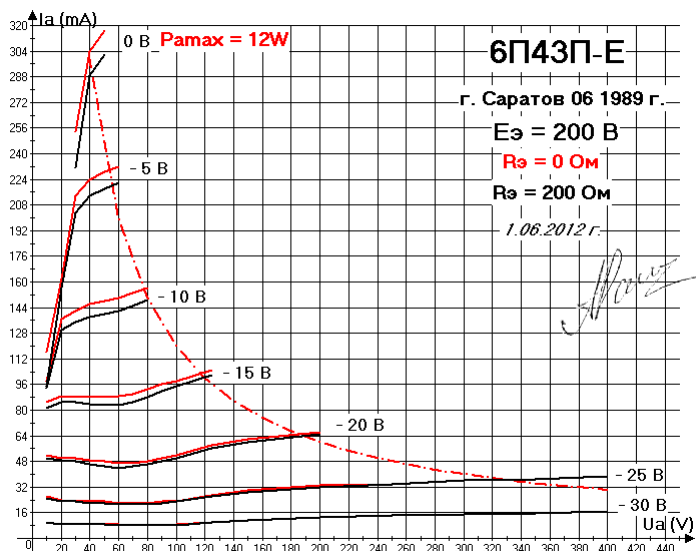


The anode and the screen size (at $U_e = 200V$):

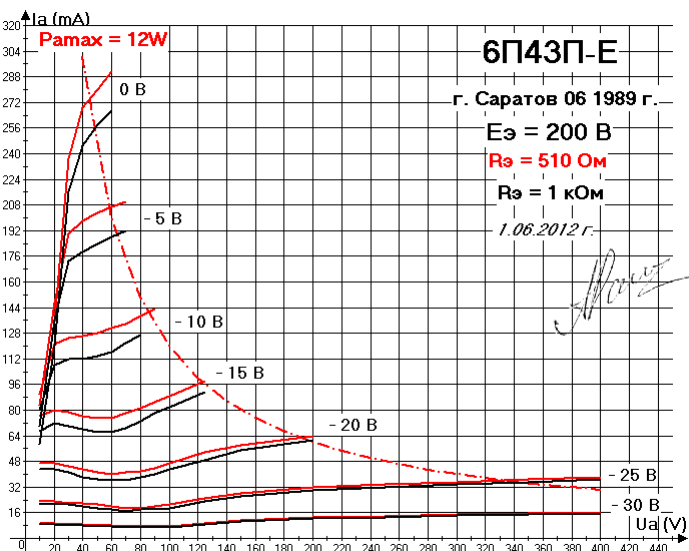


Anode characteristics (at $U_e = 200V$)

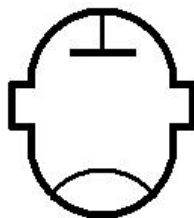
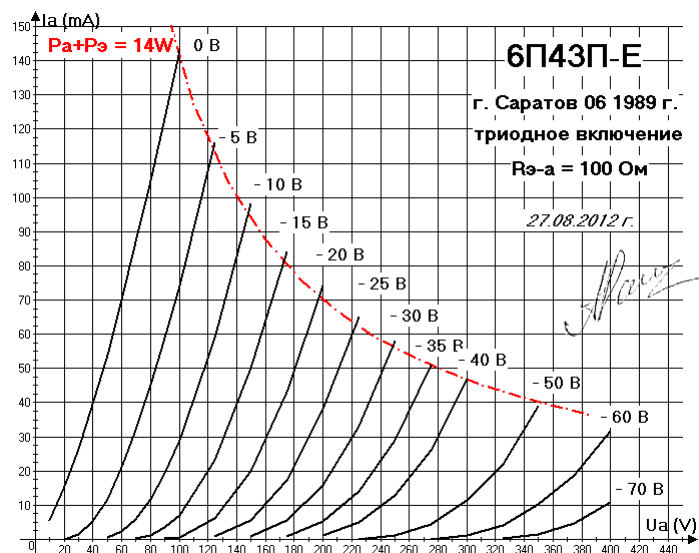
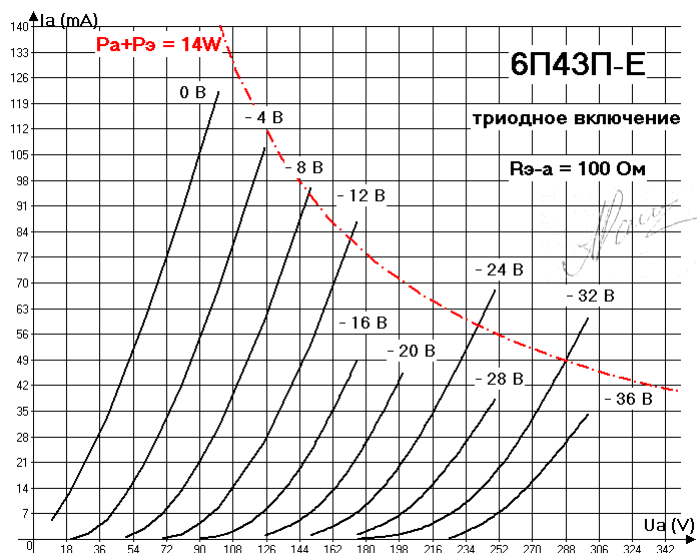
Resistors in the screen grid circuit 0 and 200Ω



resistors in the screen grid circuit 510Ω and 1KΩ



Characteristics of two copies 6P43P-E lamp pseudo-triode:



Material prepared by:

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