

6P41S - The Output Beam Tetrode.

Translation by Steven Parfitt

From soviet document : <http://www.radiolamp.su/tube.php?name=6P41S>

Shutoff grid current first	Less than 1uA
Microphonic noise*.....	no more than 500 mV (rms)
Longevity (Life at 90%.....	not less than 2000 Hrs
Longevity criteria:	
Anode current pulse○	not less than 200 mA
Reverse grid current first	not more than 2 uA
(for 80% of the lamps	no more than 1.2 uA)

○ at the anode voltage of 50 V, voltage grid 170 in the second, voltage grid of the first minus 1.

□ at a voltage of the anode and the grid 170 in the second, voltage grid of the first minus 55.

* The resistance of the anode circuit of 0.25 K ohm the vibration frequency of 50 Cps.

acceleration 2.5 g

Inter-electrode Capacitance

Input	about 23 pf
Output	about 10, 5 pf
Grid to Plate	around 0.5 pf

Maximum Allowable Operating Data

Heater voltage (~ or =)	
The greatest.....	6.9 v
The lowest	5.7 v
Maximum voltage anode (=)	400 v
Maximum voltage at the anode cutoff or cold lamp (=) ○	2,5 kV
Maximum voltage anode cutoff	
Lamp when working in line scan television (=) ○	6.5 kv
Maximum voltage grid second (=)	350 v
Maximum voltage second grid cutoff, or cold lamp (=) ○	550 v
Largest negative pulse voltage of the first grid	350 v
Lowest power dissipation anode	14 W ¹
Smallest estimated power dissipation anode	12 W
Maximum power dissipation second grid	3 W
Maximum rated power dissipation second grid □.....	2 W
The highest cathode current.	100 mA
The highest voltage between the cathode and heater (=):	
At positive voltage heater.	100 V
At negative stress voltage heater.....	200 V
The highest temperature of the cylinder.	220 ° C

○ When the anode current of 10 microamperes.

□ the calculated value of the power dissipated by the anodes in the calculation of the equipment or grid second, is obtained for tubes with nominal parameter values.