

# 6H2П, 6H2П-EB 6N2P, 6N2P-EV

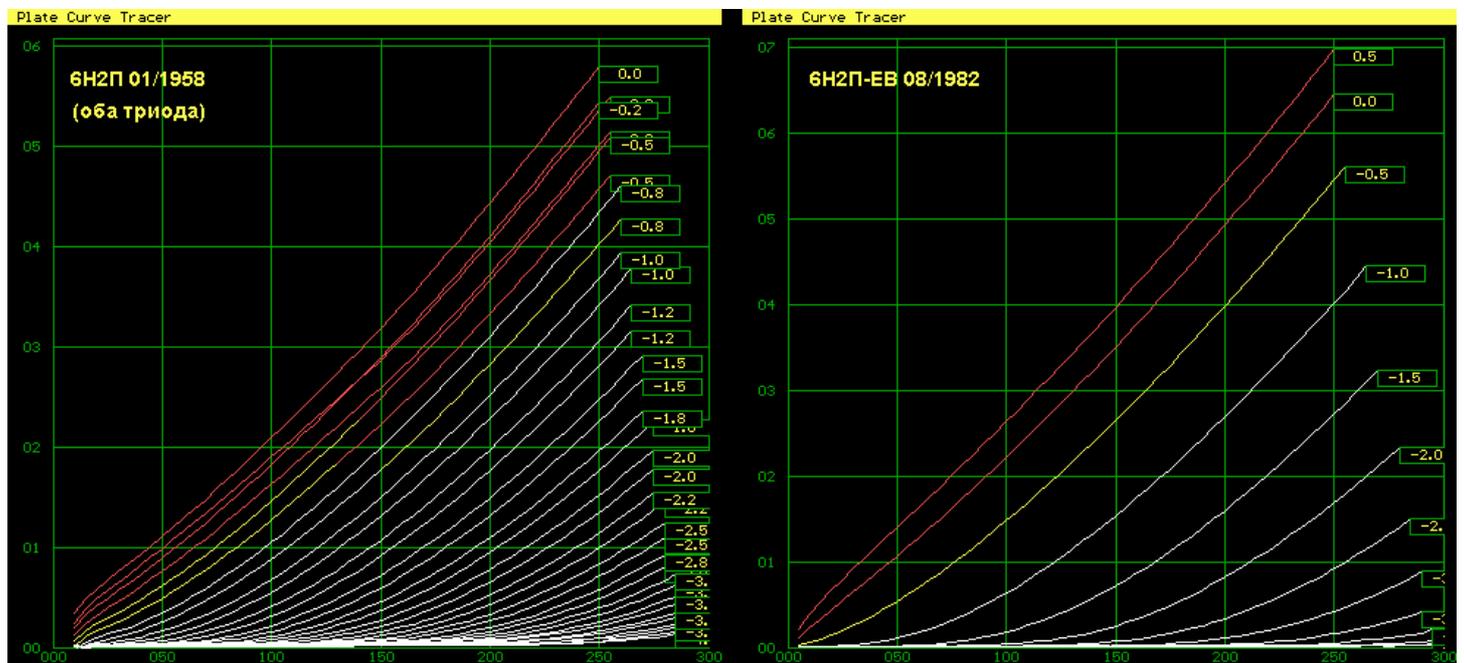
6N2P: 01/1958, unknown plant. Light-grey (seems like uncoated at all) plate. Double-layered thick mica. Upper mica sits immediately above plate assembly. Getter dish suspended by a single post.

6N2P-EV: 08/1982, *Voskhod* (Kaluga). Single-layered mica. Upper mica spaced about 3 mm above plate assembly. Getter dish on two posts. Plate also looks like uncoated.

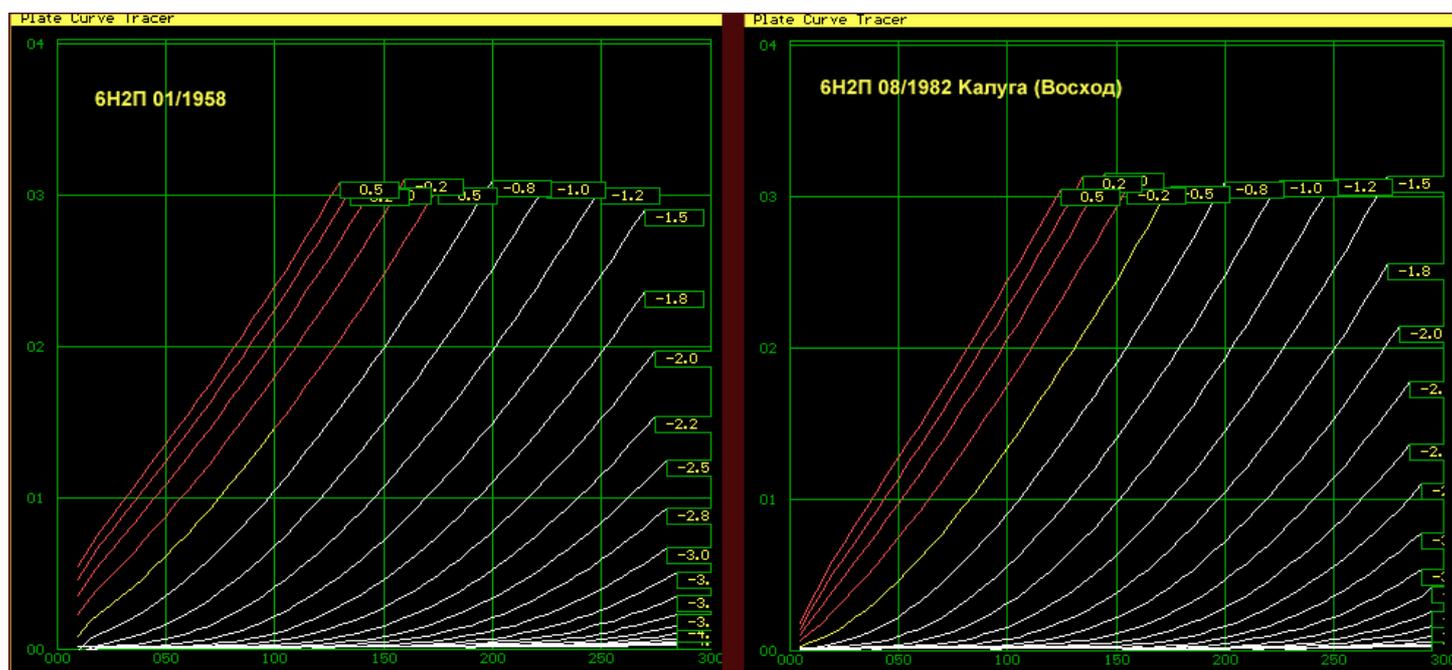
Both tubes measured close although weaker than specification. Inside each, triodes differed, around 0.1-0.2 V grid voltage differential.

Standard specifications per each triode			
Parameter	Maximum	Operating Point	Measured - 1982 tube
Ua, V	300	250	234
Ug, V	-	(-1.5)	-1.5
Ia, mA	10	1,8	2,0
Pa, W	1.0	(.45)	(.46)
Gm, mA/V	-	2.25	1.8
Rp, kOhm	-	50	44
Mu, V/V	-	98	77

1. Curve at normal Uheater, full operating power



## 2. 3mA closeup



## 3. Gm/Mu/Rp measurements

6H2П 01/1958							6H2П 08/1982 Кануга (Восход)						
S/Mu/Rp for Ia= 1.0mA and variable Ua/Ug							S/Mu/Rp for Ia= 1.0mA and variable Ua/Ug						
Ug, V	Ua, V	Ia, mA	Ga	Gm	Mu	Rp, k	Ug, V	Ua, V	Ia, mA	Ga	Gm	Mu	Rp, k
-2.0	227.8	1.00	0.0	1.1	73.7	64.00	-2.0	232.8	1.00	0.0	1.2	75.3	64.00
-1.5	180.4	1.00	0.0	1.3	66.3	52.00	-1.5	189.0	1.00	0.0	1.2	72.6	58.00
-1.0	132.2	1.00	0.0	1.3	70.8	53.00	-1.0	143.5	1.00	0.0	1.4	67.7	49.00
-0.5	85.8	1.00	0.0	1.4	60.2	44.00	-0.5	97.9	1.00	0.0	1.4	63.1	44.00
0.0	54.5	1.00	0.0	0.9	35.0	40.00	0.0	64.9	1.00	0.0	1.0	35.1	34.00
0.5	37.9	1.00	0.0	0.5	20.7	41.00	0.5	48.6	1.00	0.0	0.6	19.0	31.00
1.0 Failed to set Ua for this Ug							1.0 Failed to set Ua for this Ug						
1.5 Failed to set Ua for this Ug							1.5 Failed to set Ua for this Ug						
S/Mu/Rp for Ia= 2.0mA and variable Ua/Ug							S/Mu/Rp for Ia= 2.0mA and variable Ua/Ug						
Ug, V	Ua, V	Ia, mA	Ga	Gm	Mu	Rp, k	Ug, V	Ua, V	Ia, mA	Ga	Gm	Mu	Rp, k
-1.5	237.7	1.99	0.0	1.8	101.4	56.00	-2.0	279.6	2.00	0.0	1.8	78.7	43.00
-1.0	186.5	1.99	0.0	1.9	80.1	41.00	-1.5	234.0	2.00	0.0	1.8	77.3	42.00
-0.5	139.0	2.01	0.0	1.8	65.1	35.00	-1.0	185.9	2.01	0.0	2.0	73.4	36.00
0.0	106.6	2.00	0.0	1.2	36.6	31.00	-0.5	139.1	2.01	0.0	2.0	65.7	32.00
0.5	87.9	2.00	0.0	0.8	23.3	28.40	0.0	107.0	2.00	0.0	1.2	40.7	33.00
1.0 Failed to set Ua for this Ug							0.5 90.4 1.99 0.0 0.5 26.2 48.00						
1.5 Failed to set Ua for this Ug							1.0 Failed to set Ua for this Ug						
							1.5 Failed to set Ua for this Ug						

Legend: White curves:  $I_g < 5\mu A$  Yellow:  $5 < I_g < 20\mu A$  Red:  $20 < I_g < 300\mu A$ . Measurements terminate at  $I_g > 300\mu A$