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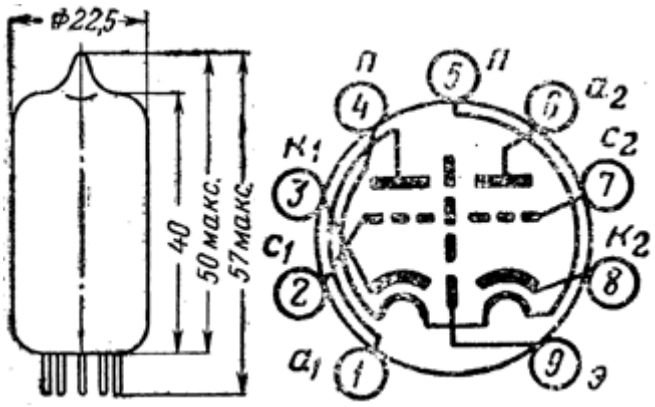
6N1P, 6N1PVI, 6N1PEV (6H1n, 6H1nBN, 6H1nEB)

General

Double triodes, used as an low frequency power amplifier.
Envelope: glass miniature.
Mass 15 g.

Lead diagram



General characteristics (at U_H=6.3V, U_A=250V, R_K=600 Ohm):

Type	6N1P	6N1PVI	6N1PEV
Filament (heater) current, mA	600±50	600±50	600±50
Anode current, mA	5,6 - 10,5	7,5±1,5	7,5±1,5
Reverse grid current, mkA	£1	£0,5	£0,2
Dissipate cathode-heater current, mkA	£15	£15	£12
Mutual conductance, mA/V	4,5±1,0	4,45±0,65	4,5±0,8
Gain coefficient	35±7	35±7	35±7
Input resistance (by f=60 MHz), Kohm			
Equivalent noise resistance, Kohm			
Vibration noise (by R_A=2 KOhm), mV	£100	£80	£50
Inter electrode capacitance, pF: input	3,1±1,1	3,3±0,9	3,05±0,55
output 1st triode	1.6±0.5	1.75±0.5	1.75±0.5
output 2nd triode	1.7±0.5	1.95±0.5	1.75±0.5
transfer	1.85±2.2	£2.6	£2.6
Operation period, hrs	[3]3000	[3]3000	[3]5000

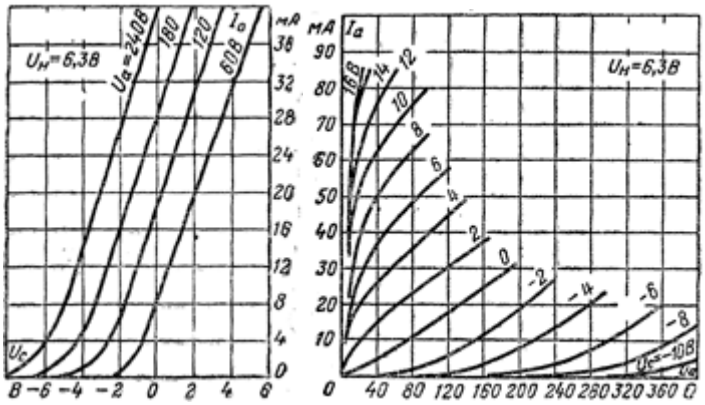
Limited operating values

Type	6N1P	6N1PVI	6N1PEV
Filament voltage, V	5,7-7	5,7-7	6-6.6
Anode voltage, V	300	300	250
Grid voltage, V			
Cathode - heater voltage, V	100	120	120
Cathode current, mA	25	25	25
Anode dissipation (each triode), W	2,2	2,2	2,2
Grid dissipation, W			
Resistance in grid circuit, MOhm	1	2	0,5

Operating environmental conditions

Type	6N1P	6N1PVI	6N1PEV
Acceleration of vibration loads, g	2,5	6	6
by frequencies, Hz	--	5-600	5-600
Acceleration of multiple impacts, g	12	150	150
Acceleration of single impact, g	-	500	500
Continuos acceleration, g	-	100	100
Ambient temperature, °C	-60 to +70	-60 to +90	-60 to +90
Relative humidity at up to 40°C, %	98	98	98

Plate-grid and plate curves



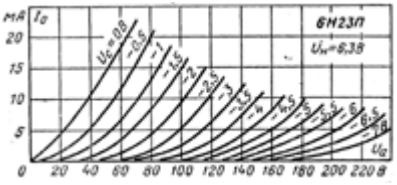


Plate-grid curves Plate curves