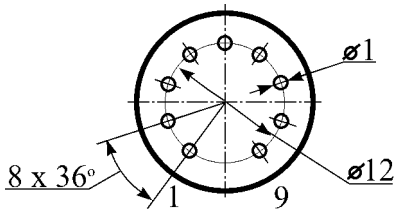
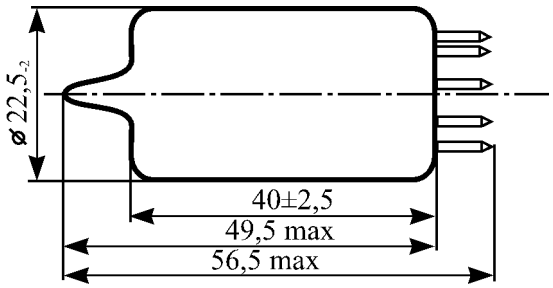
ELECTRON VALVE 6N1P (analog 13D3)

Miniature double triode with separate indirectly heated cathodes is intended for amplifying low-frequency voltage in radio-electronic devices.

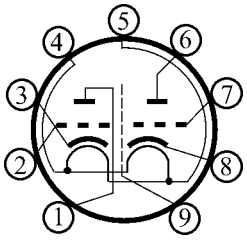
Pin arrangement





Mass is 15 g max.

Electrode-to-lead connection circuit diagram



Lead designation	Name of electrode
1	First triode plate
2	First triode grid
3	First triode cathode
4 and 5	Heater
6	Second triode plate
7	Second triode grid
8	Second triode cathode
9	Screen

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Electrical parameters at (298±5) K

Parameters, conditions and units	Nominal	
	min	max
Grid back current, μA (for filament voltage 6.3 V, plate voltage 250 V, automatic grid voltage, grid circuit resistance 1.0 MΩ , cathode circuit resistance 0.6 KΩ)	-	1.0
Slope of characteristic, mA/V (for filament voltage 6.3 V, plate voltage 250 V, automatic grid voltage, cathode circuit resistance 0.6 KΩ)	3.5	5.5
Plate current, mA (for filament voltage 6,3 V, plate voltage 250 V, automatic gird voltage, cathode circuit resistance 0.6 KΩ)	5.6	10.5

Maximum permissible operating conditions

Parameters, units	Nominal	
	min	max
Filament voltage, V	5.7	6.9
Plate voltage, V	-	300
Cathode-heater, V	-	+100 -250
Cathode current, mA	-	25
Power dissipation at the anode of each triode, W	-	2,2
Grid circuit resistance for each triode, MΩ	-	1,0