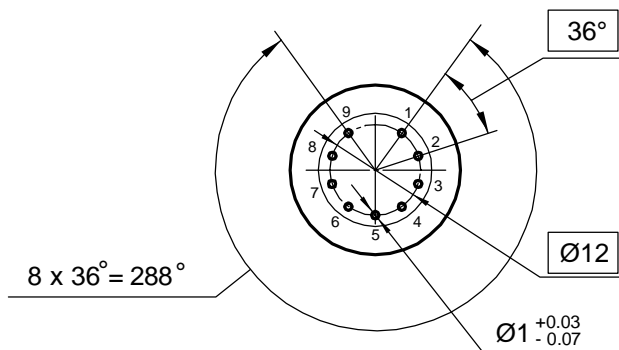
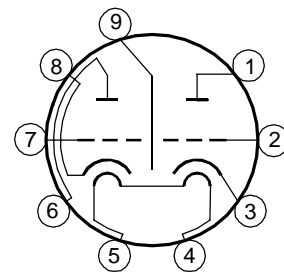


Vacuum tube 6922EH is a miniature twin triode with equipotential cathodes, designed to amplify low frequency voltage in radio engineering devices.

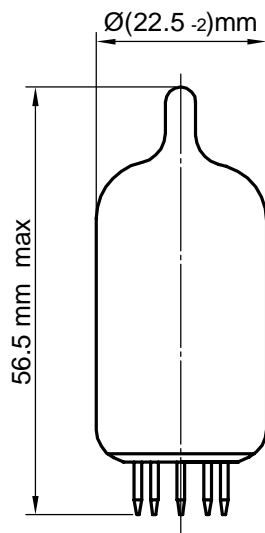
Pin arrangement



Electrode -to - lead connection diagram



Dimensions



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

## Electrical parameters

Parameters, conditions and units	Nominal	
	min	max
Heater current, mA	335	385
Grid reverse current, $\mu\text{A}$ , ( at: filament voltage 6.3 V, plate voltage 120 V, grid voltage minus 1.5 V, resistance in grid circuit 0.51 M $\Omega$ )	—	0.3
Plate current, mA, ( at: filament voltage 6.3 V, plate voltage 90 V, resistance in cathode circuit 82 $\Omega$ )	10	20
Plate current at the beginning of the characteristic, $\mu\text{A}$ ( at: filament voltage 6.3 V, plate voltage 90 V, grid voltage minus 8 V)		100
Slope of characteristic, mA/V ( at: filament voltage 6.3 V, plate voltage 90 V, resistance in cathode circuit 82 $\Omega$ )	9	17
Amplification factor ( at: filament voltage 6.3 V, plate voltage 90 V, resistance in cathode circuit 82 $\Omega$ )	24	40
Cathode - heater insulation resistance, M $\Omega$ ( at: filament voltage 6.3 V, cathode -heater voltage $\pm 200$ V)	12.5	—

## Limiting Values

Parameters, units	Nominal	
	min	max
Filament voltage, V	6	6.6
Plate voltage, V	—	300
Cathode - heater voltage, V	—	$\pm 150$
Cathode current (average), mA	—	20
Power dissipation at the plate of each triode, W	—	1.8
Grid circuit resistance for each of the triodes, M $\Omega$	—	1.0
Grid voltage, negative, V	—	100
Temperature at the most heated part of the envelope, K°	—	393

