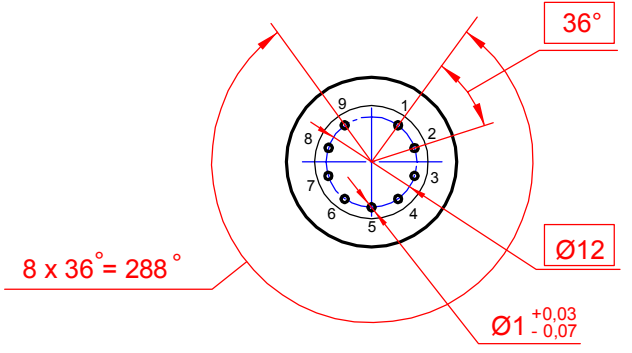
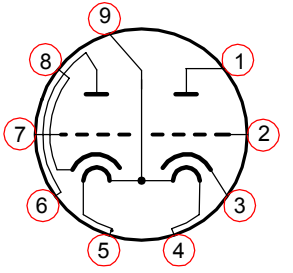
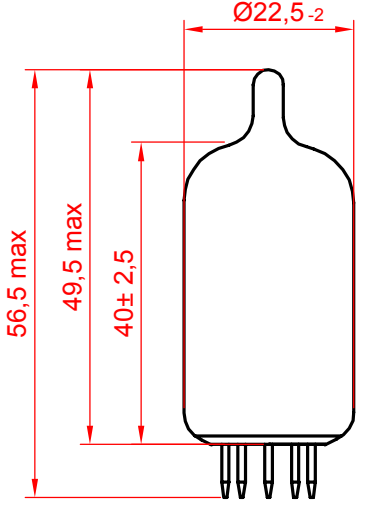
Pin arrangement



Electrode -to - lead connection diagram





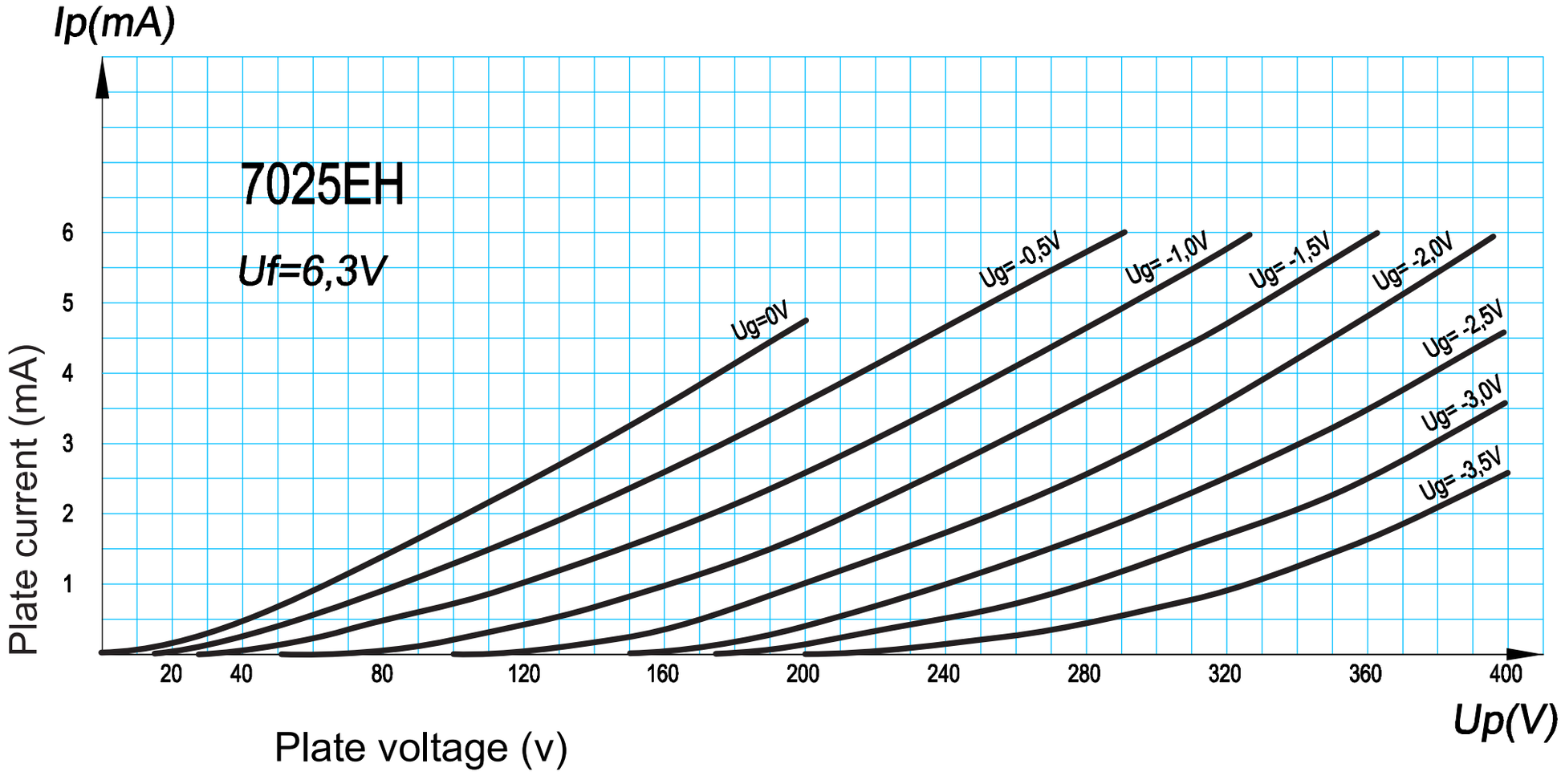
Lead designation	Name of electrode
1	Second triode plate
2	Second triode grid
3	Second triode cathode
4,5, 9	Heater
6	First triode plate
7	First triode grid
8	First triode cathode

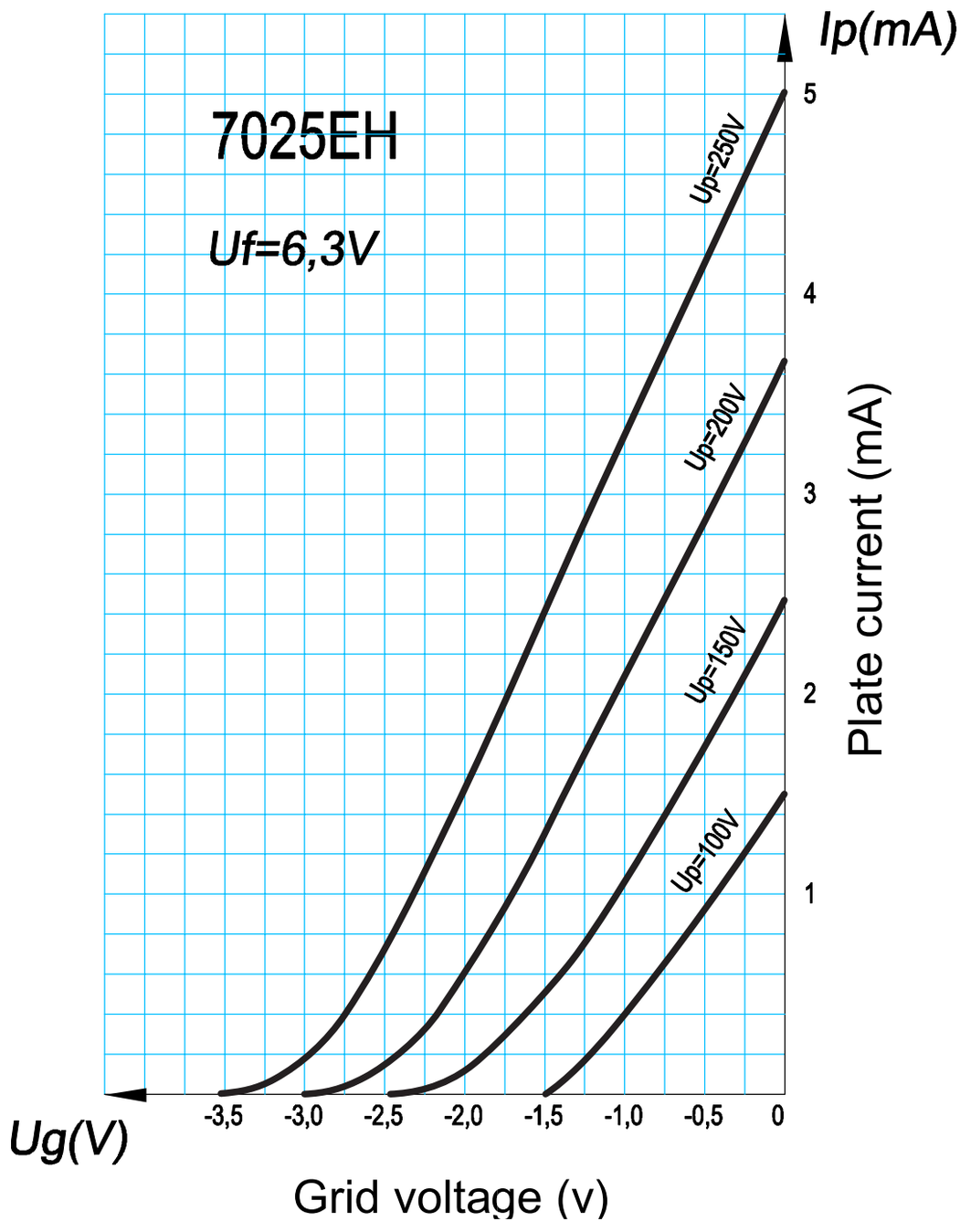
Electrical parameters

Parameters, conditions and units	Nominal		
	min	nominal	max
Heater current,mA at: filament voltage 6,3 V at: filament voltage 12,6 V	 325 162	 347 173	 370 185
Grid back curret, μA, (at: filament voltage 6,3 V, plate voltage 250 V, grid voltage minus 2,0 V, resistance in grid circuit 1,0 M Ω)	—	—	0,2
Plate current, mA, (at: filament voltage 6,3 V, plate voltage 250 V, grid voltage minus 2,0 V)	0,75	—	2,0
First and second triodes plate current difference, % (at: filament voltage 6,3 V, plate voltage 250 V, grid voltage minus 2,0 V)	—	—	± 40
Plate current at the beginning of the characteristic, μA (at: filament voltage 6,3 V, plate voltage 250 V, grid voltage minus 5,5 V,			20
Slope of characteristic, mA/V (at: filament voltage 6,3 V, plate voltage 250 V, grid voltage minus 2,0 V)	1,1	—	—
Amplification factor (at: filament voltage 6,3 V, anode voltage 250 V, grid voltage minus 2,0 V)	82	—	110
Cathode - heater insulation resistance, M Ω (at: filament voltage 6,3 V, cathode -heater voltage ±200 V)	20	—	—

Maximum permissible operating conditions

Parameters, units	Nominal	
	min	max
Filament voltage, V for parallel connection for series connection	 6 12	 6,6 13,2
Plate voltage, V	—	300
Cathode - heater voltage, V	—	± 200
Cathode current, mA	—	10
Power dissipation at the plate of each triode, W	—	1,0
Grid circuit resistance for each of the triodes, M Ω fixed bias self - bias	 — —	 1,0 2,2
Temperature at the most heated part of the envelope, K	—	368


Ip(mA)
7025EH
Uf=6,3V
Ug=0V
Ug= -0,5V
Ug= -1,0V
Ug= -1,5V
Ug= -2,0V
Ug= -2,5V
Ug= -3,0V
Ug= -3,5V
Plate current (mA)
1
2
3
4
5
6
20
40
80
120
160
200
240
280
320
360
400
Up(V)
Plate voltage (v)


7025EH
Uf=6,3V
Ip(mA)
Up=250V
Up=200V
Up=150V
Up=100V
5
4
3
2
1
Plate current (mA)
Ug(V)
-3,5
-3,0
-2,5
-2,0
-1,5
-1,0
-0,5
0
Grid voltage (v)