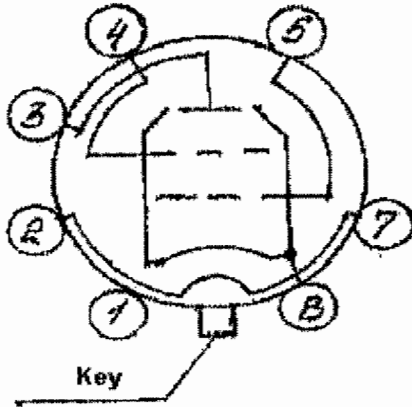


KT120 Tung-Sol

Terminal connections



Pin #	Electrode name
1	-
2,7	Heater
3	Plate
4	The second grid
5	The first grid
6	-
8	Cathode, beam-forming plates

Electrical data

Cathode	Oxide, indirect heating
Filament voltage (AC, DC)	6.3 v
Cathode to heater voltage:	
Under positive polarity at cathode	300 V
Under negative polarity at cathode	200V
Interelectrode capacitance:	
Input (nominal)	29 pF
Output (nominal)	10 pF
Transfer (nominal)	1.8 pF

Mechanical data

Envelope	Glass balloon
Socket	Octal
Operating position	Any
Dimensions:	
Maximum height	130 mm
Balloon diameter, max	52 mm
Maximum weight	120 g

Basic specifications

Electric Characteristics At delivery

Parameter name	Norms		Measurement mode
	not less	not more	
Heater current, A	1.7	1.95	Uf=6.3V
Plate current, ma	135	165	Uf=6.3V Ua=400V

			Uc2=225V Uc1= -14V
The second grid current, mA	-	14	Uf=6.3V Ua=400V Uc2=225V Uc1= -14V
Transconductance, mA/v	12.5	-	Uf=6.3V Ua=400V Uc2=225V Uc1= -14V
Output power, W	20.0	-	Uf=6.3V Ua=400V Uc2=225V Uc1= -14V Uc1eff.=9.9V load resistance =3 KOhm
Non-linear harmonic distortion coefficient, %	-	14	Uf=6.3V Ua=400V Uc2=225V Uc1= -14V Uc1eff.=9.9V load resistance =3 KOhm
Cathode to heater leakage current, μ A	-	30	Uf=6.3V Uk-h= \pm 300V

Limiting values

	triode scheme		tetrode scheme	
	min	max	min	max
Filament voltage (AC, DC)	5.7 v	6.9 v	5.7 v	6.9 v
Plate voltage, DC		650 v		850 v
Grid 2 voltage, DC		650 v		600 v
Grid 1 negative voltage		200 v		200 v
Plate dissipation		60 w		60 w
Grid 2 dissipation		8.0 w		8.0 w
Cathode current		230 mA		250 mA
Resistance in grid1 circuit				
at fixed (clamp) bias		0.051MOh		0.051 MOh
at automatic bias		0.24 MOh		0.24 MOh
Envelope temperature at hottest point		250° C		250° C