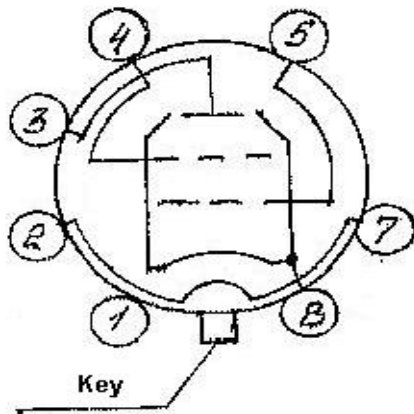


KT150 Tung-Sol

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	300V
Interelectrode capacitance:	
Input (nominal)	20.5 pF
Output (nominal)	10 pF
Transfer (nominal)	1.75 pF

Mechanical data

Envelope	Glass balloon
Socket	Octal
Operating position	Any
Dimensions:	
Maximum height	140 mm
Balloon diameter, max	60 mm
Maximum weight	130 g

Basic specifications

Electric Characteristics At delivery

Parameter name	Norms		Measurement mode
	not less	not more	
Heater current, A	1.75	2.0	Uf=6.3V
Plate current, mA	150	180	Uf=6.3V Ua=400V

			Uc2=225V Uc1= -14V
The second grid current, mA	-	15	Uf=6.3V Ua=400V Uc2=225V Uc1= -14V
Transconductance, mA/V	12.6	-	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	-	50	Uf=6.3V Uk-h= $\pm$ 300V

Limiting values

	min	max
Filament voltage (AC, DC)	6.0 V	6.6 V
Plate voltage, DC		850 V
Grid 2 voltage, DC		650 V
Grid 1 negative voltage		200 V
Plate dissipation		70 W
Grid 2 dissipation		9.0 W
Cathode current		275 mA
Resistance in grid1 circuit		
at fixed (clamp) bias		0.51 MOh
Envelope temperature at hottest point		250° C

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Grid-plate characteristics

