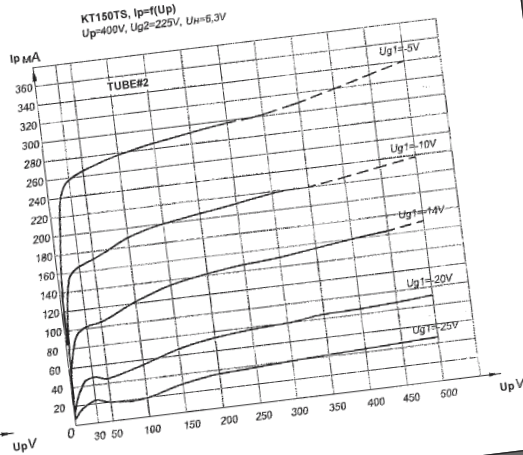
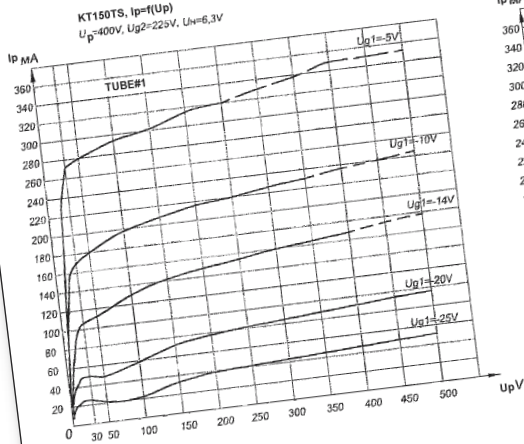


# TUNG-SOL

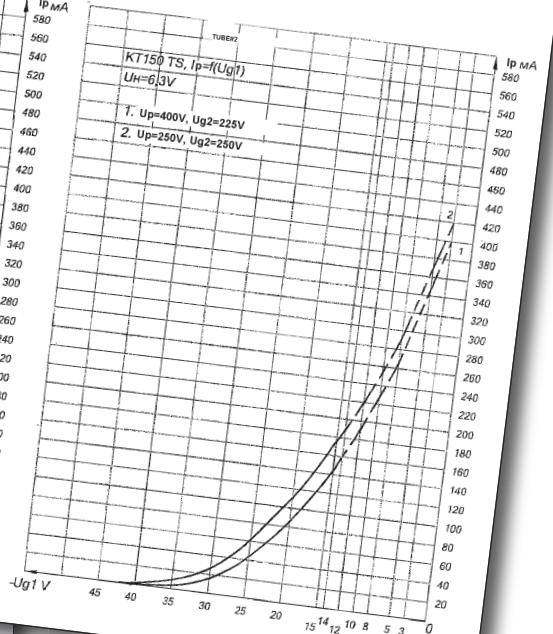
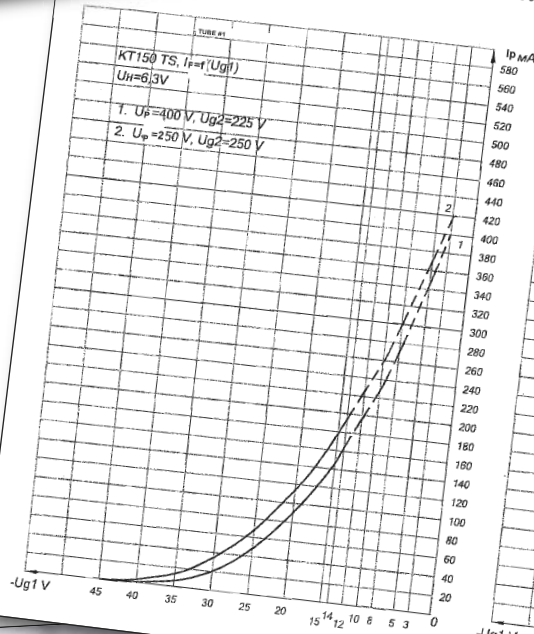
ELECTRON TUBES

# KT-150 Tube

Plate characteristics



Grid-plate characteristics



**new sensor**

**Electrical data**

Cathode.....Oxide, indirect heating  
 Filament voltage (AC,DC) .....6.3V  
 Cathode to heater voltage:  
     Under positive polarity at cathode .....300V  
     Under negative polarity at cathode .....300V  
 Interelectrode capacitance:  
     Input (nominal) .....20.5pF  
     Output (nominal).....10pF  
     Transfer (nominal) .....1.75pF  
 Tube impedance .....From 10.0KOhm to 12.5KOhm

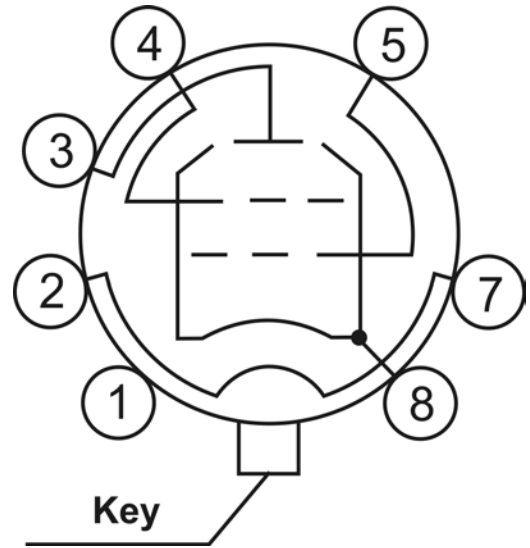
**Mechanical data**

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

**Limiting values**

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

**KT-150 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

**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=225 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=3KOhm
Non-linear harmonic distortion coefficient, % .....	14		Uf=6.3V Ua=400V Uc2=225V Uc1= -14V Uc1eff.=9.9V load resistance=3KOhm
Cathode to heater leakage current, µa .....	50		UF=6.3V Uk-h=±300V



Tung-Sol KT-150 Vacuum Tube