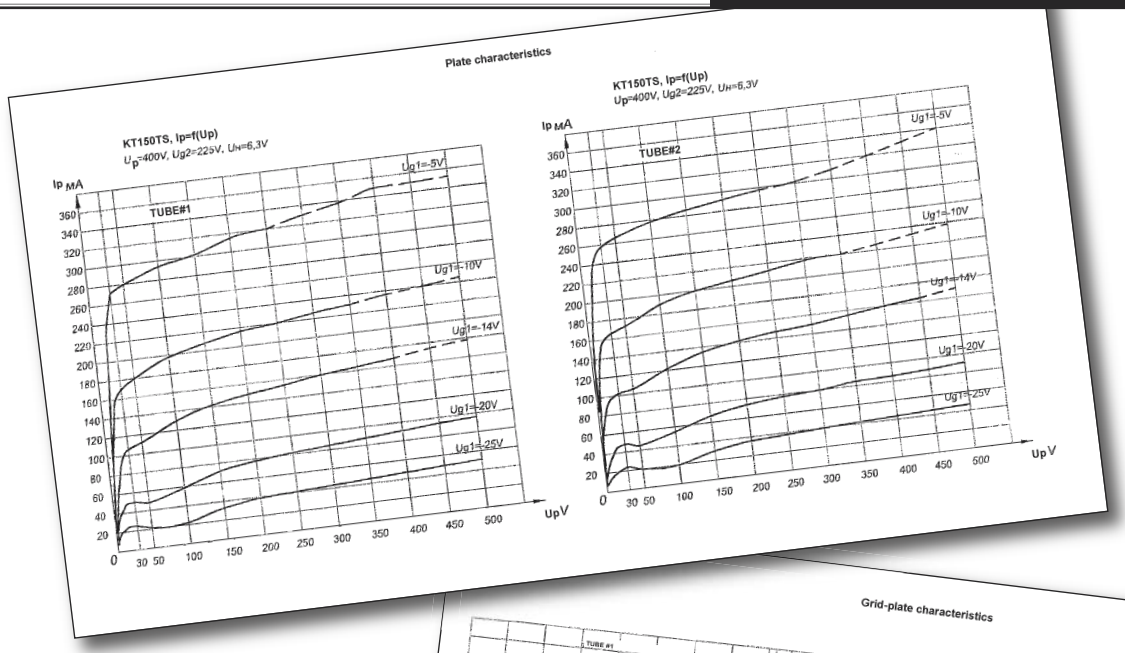
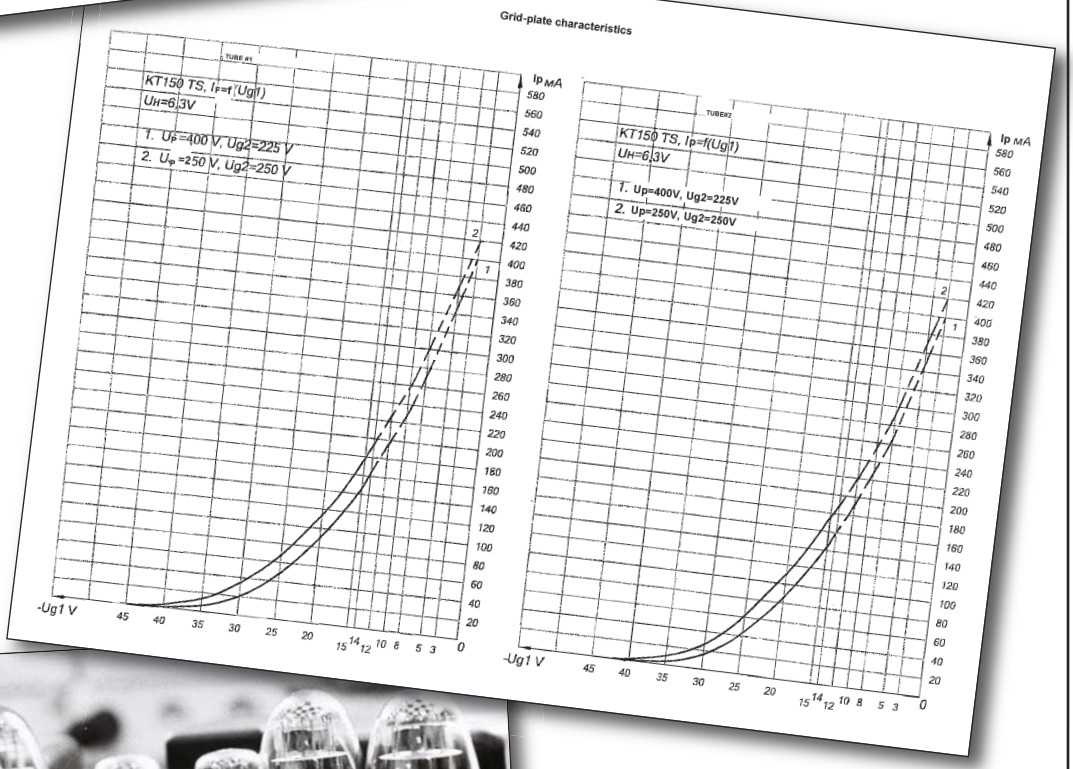
TUNG-SOL
ELECTRON TUBES

KT-150 Tube





new sensor

New Sensor, 55-01 2nd Street, Long Island City, NY 11101
Tel:718-937-8300 Fax: 718-937-9111 www.newsensor.com

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

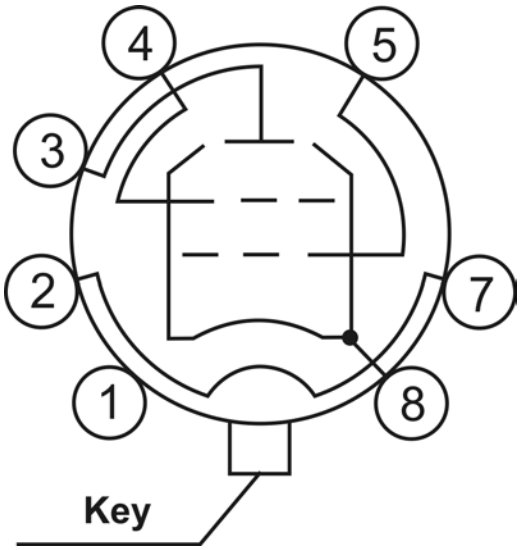
Mechanical data

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 not less	Norms not more	Measurement mode
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 Vacumm Tube