



Parameters of the Tubes, Data, Photo, pin-out, Curves...

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Tube	1n24b-B (1P24B-V)
Description	HF Pentode
Envelope	Glass, miniature
Weight	5.5 g
General parameters	
Measurement conditions	U _h =1.2V, U _a 150V, U _{g2} =125V, U _{g1} =-14V
Heater current	190+-20 mA
Anode current	18+-6 mA
2nd Grid current	< 1.5 mA
1st Grid back current	< 0.1 mkA at R _{g1} =1MΩ
Mutual conductance	2.8+-0.7 mA/V
Mutual conductance +	> 1.7 mA/V at U _h =0.95V
Input Resistance	> 50 kΩ at f=60MHz
Equivalent resistance of noise	< 5 kΩ at f=30MHz
Output power	> 1.5 W at R _a =5.9kΩ, f=45MHz
Interelectrode capacitance	
Input capacitance	7.15+-0.55 pF
Output capacitance	4+-0.5 pF
Transfer capacitance	< 0.008 pF
Anode-cathode capacitance	< 0.03 pF
Operating time	
Operating time	> 2000 hrs
Maximum of Parameters (upper bound)	
Heater (filament) voltage	1.08 to 1.32 V
Anode voltage	300 V
2nd Grid voltage	200 V
Anode power	4 W

(dissipation)	
2nd Grid power (dissipation)	1.5 W (2nd grid)
Resistance to Grid	0.5 MOhm to 1st grid
Cathode current	40 mA
Tube bulb temperature	190 °C
Allowable outer temperature	-60 to +125 °C
Allowable vibrations	
Vibration	10 g
at frequency	5 to 600 Hz
Multiple blows	150 g
Single blow	500 g
Continues	100 g

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