



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

[Home](#) :: [Tubes](#) :: [Sockets](#) :: [RVD](#) :: [Schemes](#) :: [Terms](#) :: [about](#) :: [links](#) ::

Search data of tubes:

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Tube	6J51n, 6J51P, 6Zh51n, 6Zh51P
Description	HF Pentode
Equivalents	6EJ7, EF184
Envelope	glass
Weight	18 gramme
Sketch	
Pin-out	
General parameters	
Measurement conditions	U _h =6.3V, U _a =200V, U _{g2} =200V, U _{g3} =0V, R _c =200Ohm
Heater current	300 +- 25 mA
Anode current	8.5 +- 2.7 mA
Anode current, onset	< 10mkA (at U _{g1} =-8.5V)
2nd Grid current	3.5 to 5.0 mA
1st Grid back current	< 0.5 mkA

Mutual conductance	15.5 +- 4 mA/V
Input Resistance	7 kOhm (at f=40 MHz)
Equivalent resistance of noise	450 OHm
Interelectrode capacitance	
Input capacitance	11.5 +- 2.3 pF
Output capacitance	3.3 +- 0.6 pF
Transfer capacitance	< 0.006 pF
Operating time	> 3000 hrs
Maximum of Parameters (upper bound)	
Heater (filament) voltage	5.7 to 7.0 V
Anode voltage	250 V
Anode voltage at closed tube	550 V
2nd Grid voltage	250 V
2nd Grid voltage at closed tube	550 V
Anode power (dissipation)	2.5 Watt
2nd Grid power (dissipation)	1 Watt
Cathode current	25 mA
Cathode-heater voltage	100V to -150 V
Allowable outer temperature	-60 to +70 °C
Allowable vibrations	
Anode curves	picture
Anode-Grid curves	picture

gstube@gstube.com
 ph/fx: +7 (903) 220-87-48