



Parameters of the Tubes, Data, Photo, pin-out, Curves...
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| | |
|-------------------------------|--|
| Tube | 1Zh18B (1J18b) |
| Description | HF directly heated Pentode (Intermediary frequency as well) |
| Envelope | Glass, miniature |
| Weight | 4 g |
| Sketch | |
| Pin-out | |
| General parameters | |
| Measurement conditions | U _h =1.2V, U _a =60V, U _{g2} =45V, U _{g1} =0V |
| Heater current | 23.5±2.5 mA |
| Anode current | 1.35±0.5 mA |
| 2nd Grid current | < 0.25 mA |
| 1st Grid back current | < 0.5 mA (at U _{g1} =-2V, R _{g1} =0.5MΩ) |
| Mutual conductance | 1.15±0.45 mA/V |
| Mutual conductance + | > 0.55 at U _h =0.95V |

| | |
|--|---|
| Input Resistance | > 100 kOhm at f=60MHz, Ug1=-1V |
| Equivalent resistance of noise | < 7 kOhm |
| Vibro-noise voltage | < 50 mV at Ra=2kOhm |
| Interelectrode capacitance | |
| Input capacitance | 3.25+-0.9 pF |
| Output capacitance | 2.4+-0.4 pF |
| Transfer capacitance | < 0.01 pF |
| Operating time | |
| Operating time | > 3000 hrs |
| Maximum of Parameters (upper bound) | |
| Heater (filament) voltage | 1.08 to 1.32 (0.95 to 1.4 if alternating-current) V |
| Anode voltage | 90 V |
| 2nd Grid voltage | 60 V |
| Resistance to Grid | 1 MOhm (to 1st grid) |
| Cathode current | 2.5 mA |
| Tube bulb temperature | 85 °C |
| Allowable outer temperature | -60 to +85 °C |
| Allowable vibrations | |
| Vibration | 6 g |
| at frequency | 5-600 Hz |
| Multiple blows | 150 g |
| Single blow | 500 g |
| Continues | 100 g |

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