



ELECTRONIC TUBE REFERENCE

1Z17B

Voltage - Pentode or Tetrode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Directly heated subminiature pentode designed for high-frequency voltage amplification in compact electronic equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	1.2 V / 48 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.0015 S
MAXIMUM PLATE VOLTAGE	90 V
MAXIMUM SCREEN VOLTAGE	60 V
MAXIMUM CATHODE CURRENT	5 mA
REDO promoted fields populated from published specification/maximum-rating tables where applicable.	

The 1Z17B is a directly heated subminiature pentode for high-frequency voltage amplification.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Russian

Published test conditions and operating points. Values on this page are preserved as reported by this source.

195X RUSSIAN

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage	60 V	Published operating point
Grid 2 voltage	40 V	Published operating point
Anode current	1.5–2.8 mA	Published range
Grid 2 current	0.3 mA	Maximum
Transconductance	1–2 mA/V	Published range
Transconductance at reduced filament voltage	0.85 mA/V	Minimum
Equivalent noise resistance	7 kΩ	Maximum
Input resistance	80 kΩ	Minimum; 60 MHz
Input capacitance	2.35–4.15 pF	Published range
Output capacitance	2–2.8 pF	Published range
Transfer capacitance	0.01 pF	Maximum
Anode-cathode capacitance	0.025 pF	Maximum
Warm-up time	1 s	Maximum

TUBE TINKER

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