



ELECTRONIC TUBE REFERENCE

6ZH38PEV

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Russian pentode documented with translated manufacturer electrical characteristics and ratings. The available source establishes conventional pentode operation but does not provide sufficiently explicit application or cutoff terminology to support a narrower functional classification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 190 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	175000 Ω
TRANSCONDUCTANCE	0.0106 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	160 V
MAXIMUM PLATE DISSIPATION	3 W
MAXIMUM SCREEN DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	20 mA
Filename-matched Russian source entry only.	

Russian pentode vacuum tube. Technical characteristics and ratings are taken from the complete filename-matched source entry.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1981 Russian Tubes Katsnelson and Larionov

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

1981 RUSSIAN TUBES KATSNELSON AND LARIONOV

Section 1 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	-20 mA	Translated from Russian source; Ток накала, мА. . . . , «а 19020 190--20
Plate current	-3.5 mA	Translated from Russian source; Ток анода, мА. , .. 12--4 12+-3,5
Screen current	2 mA	Translated from Russian source; Ток 2-й сетки, мА. . . ° .

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	7 V	Translated from Russian source; Напряжение накала, В 5,7—7
Plate voltage	300 V	Translated from Russian source; Напряжение анода, В . . й 300

TUBE TINKER

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and their source documents.

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