



ELECTRONIC TUBE REFERENCE

6V7S

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Russian power tetrode documented with manufacturer technical characteristics and ratings. The available source establishes single-section tetrode construction and power-capable electronic service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 880 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE DISSIPATION	20 W
Filename-matched Russian source entry only.	

Russian tetrode 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 · Tetrode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	-40 mA	Translated from Russian source; Ток накала, МА. , . . . 90090 880--40
Plate current	7313 mA	Translated from Russian source; Ток анода, МА. . . , 72-18 7313
Screen current	6 mA	Translated from Russian source; Ток 2-й сетки, МА. . ee <9 <6
Output capacitance	5.8 pF	Translated from Russian source; Выходная мощность, Вт. , 5,4 >5,8
Transconductance	0.8 mA/V	Translated from Russian source; Крутизна характеристики, МА/В 6=к0,8 6-0,8
Plate resistance	65 ohm	Translated from Russian source; Внутреннее сопротивление, кОм . , 25 < 65
Input capacitance	2 pF	Translated from Russian source; входная , н+2 И
Output capacitance	6.7 pF	Translated from Russian source; выходная , ... , 82314 6,7
Transfer capacitance	1 pF	Translated from Russian source; проходная, . . К, <! <1
Output capacitance	4.5 pF	Translated from Russian source; выходная мощность, Вт . . . , >4 >4,5

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service life	5000 h	Translated from Russian source; Нарботка, ч. . . AAA >1000 >5000
Heater voltage	7 V	Translated from Russian source; Напряжение накала, В 5,7—7,0

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	Translated from Russian source; Напряжение анода, В 375 250
Plate dissipation	20 W	Translated from Russian source; Мощность, рассеиваемая анодом Вт. . 20

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

[Catalog](#)
[Tube types](#)
[Full books](#)
[Blog](#)
[Feedback & corrections](#)

© 2026 Tube Tinker