

ELECTRONIC TUBE REFERENCE

6V8S

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 operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 475 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	Tetrode
MAXIMUM PLATE DISSIPATION	13.2 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 (475--40) mA
Plate current	13 mA	Translated from Russian source; Ток анода . . о, (462 13)mA
Screen current	7.5 mA	Translated from Russian source; Ток 2-й сетки . <7,5 mA
Transconductance	1 mA/V	Translated from Russian source; Крутизна характеристики , мAP (4, 1:!:1 1) mA/B
Output capacitance	3.6 pF	Translated from Russian source; Выходная мощность при Кд—б кОм г о, >3,6 Вт
Plate resistance	5.2 ohm	Translated from Russian source; Внутреннее сопротивление . . э " 5,2 кОм
Input capacitance	1.6 pF	Translated from Russian source; входная (9,5=1,6) пФ
Output capacitance	9.2 pF	Translated from Russian source; выходная . . . Ё. , 3,8—9,2 пФ
Transfer capacitance	0.9 pF	Translated from Russian source; проходная . , х кеа ,. <0,9 пФ
Output capacitance	2.3 pF	Translated from Russian source; выходная мощность (при В, =5 кОм) . , , >2,3 Вт

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service life	1000 h	Translated from Russian source; Нарabотка . . э к в к, > 1000 ч
Heater voltage	6.9 V	Translated from Russian source; Напряжение накала 5,7—6,9 В

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate dissipation	13.2 W	Translated from Russian source; Мощность, рассеиваемая анодом . . 13,2 Вт