



ELECTRONIC TUBE REFERENCE

5C4S

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Russian two-anode full-wave rectifier for general-purpose AC power-supply service. Available translated manufacturer documentation confirms conventional vacuum rectification but provides limited verified numerical ratings.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	4.5 V / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier

No fixed ratings recorded.

Electrical values extracted only from the filename-designated tube block; page-edge fragments excluded.

SECTION2 Rectifier

No fixed ratings recorded.

Second physical rectifier section; promoted electrical properties populated from identical section.

5C4S rectifier from a Russian vacuum-tube reference; technical description translated to English.

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 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	4.5–5.5 V	Напряжение накала , 4,5—5,5 В
Plate current	750 mA	Ток анода (амплитудное значение). . . , 750 мА
Plate current	300 mA	Ток анода (при Ш=50 Б) й , , — 300 мА
Rectified current	47 kΩ	Выпрямленный ток (при И,==500 В Кн=47 кОм, С=
Service life	>2000 h	Наработка МАЕ о ж о я в е е ч в в в е > 2000 ч
Heater voltage	4.5 в	Напряжение накала. , , Ёа 4,5 в
Rectified current	62 mA	Выпрямленный ток (среднее значение) е ве ве о 62 мА
Plate current	8375 mA	Ток анода (амплитудное значение) , 8375 мА

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Reverse voltage	1700 V	Обратное напряжение . . о., 1700 В
Reverse voltage	1.35 KB	Обратное напряжение . , , в оч е во е 1,35 KB

1981 RUSSIAN TUBES KATSNELSON AND LARIONOV

Section 2 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	4.5–5.5 V	Напряжение накала , 4,5—5,5 В

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	750 mA	Ток анода (амплитудное значение). . . . , 750 мА
Plate current	300 mA	Ток анода (при Ш=50 Б) й , , — 300 мА
Service life	>2000 h	Наработка МАЕ о ж о яа в ее ч в в в е > 2000 ч
Heater voltage	4.5 в	Напряжение накала. , , Ёа 4,5 в

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Reverse voltage	1700 V	Обратное напряжение . . о., 1700 В

TUBE TINKER

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