



ELECTRONIC TUBE REFERENCE

6S31BER

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Russian improved-reliability triode intended for voltage-amplifier service, documented as a specialized variant of the 6S31B family.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 220 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	5
MAXIMUM PLATE DISSIPATION	2.5 W
Values extracted only from the complete filename-matched Russian entry.	

Russian triode intended for voltage amplification and/or high-frequency operation, as specified in the 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 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	-22 mA	Translated from Russian source; OCR line: Ток накала, мА. , ... , 220=22 220--22
Plate current	-10 mA	Translated from Russian source; OCR line: Ток анода, мА 40 Ю 40=-10
Transconductance	188 mA/V	Translated from Russian source; OCR line: Крутизна характеристики, мАВ . 18-\$ 188
Transconductance	5.7 mA/V	Translated from Russian source; OCR line: Крутизна характеристики при Ов=5,7 В,
Amplification factor	-5	Translated from Russian source; OCR line: Коэффициент усиления й .. 17i5 17=-5

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service life	5000 h	Translated from Russian source; OCR line: Наработка, ч . й >2000 > 5000
Heater voltage	-6.6 V	Translated from Russian source; OCR line: Напряжение накала, В . 5,7—7 — 6—6,6
Plate voltage	100 V	Translated from Russian source; OCR line: Напряжение анода, В , 100 100
Plate dissipation	2.5 W	Translated from Russian source; OCR line: Мощность, рассеиваемая анодом Вт й 2,5 2,5