



ELECTRONIC TUBE REFERENCE

6S3PEV

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-frequency high-transconductance Russian triode designed for grounded-cathode input and wide-band amplifier circuits, in an extended-life reliable variant.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 315 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.02 S
AMPLIFICATION FACTOR	50
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	3.5 W
<i>Electrical data extracted only from filename-designated Russian tube block; identical dual sections compressed where applicable.</i>	

The 6C3I1-EB high-frequency high-transconductance xapakTepyctykn 6C3I1-EB npenHasHauyeH O/ HCMOJlb- triode has been designed for use in grounded-cathode 30BaHUA B CXeMaX C 3a3eMJIEHHBIM KaTOJOM BO BXOJHBIX circuits of input and wide-band amplifiers.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Russian

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

195X RUSSIAN

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published heater condition.
Heater current	315 mA	Published heater current.
Transconductance	20000 μ S	Published characteristic; normalized to μ S.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	250 V	Published limiting/specification value.
Maximum plate dissipation	3.5 W	Published limiting value.



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
Published electrical parameter	50–600 Hz	частот 50—600 Гц @ .. 10 —
Frequency	5–600 Hz	то же в диапазоне частот 5—600 Гц 3 — 10

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical parameter	100 Ω	при Шв=6,3 В, (,=: 150 В, К== 100 Ом
Published electrical parameter	57 V	То же при Пн—57 В > 1
Amplification factor	-15 %	Коэффициент усиления . 50=-15 %:ЫБ
Published electrical parameter	0.5 kΩ	(при Ва=0,5 кОм), мВ . <60 <60