

ELECTRONIC TUBE REFERENCE

6S21D

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Russian triode used in fixed-frequency oscillator circuits for stable signal generation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 185 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	220 V
MAXIMUM PLATE DISSIPATION	3.6 W
Published electrical characteristics and permissible ratings promoted where OCR labels were unambiguous; remaining published numeric table entries retained in TUBE_SECTION_PARAMETER.	

Fixed frequency oscillator using 6C11]] triode 6C21[, Tenepatop ϕuxcupoBanHoil yacrotel 6C21J1 Ha The 6C21]]1 fixer-frequency oscillator using a tpuoge 6C11]] npemHasunauen AJs reHEepUPOBAHHUSA 6C11]]1 triode is designed for generation of high-

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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
leneparop ϕ uKcUpoBaHHOI yacToTel Ha TpHoae	6	leneparop ϕ uKcUpoBaHHOI yacToTel Ha TpHoae 6C11J]
Fixed frequency oscillator using	6	Fixed frequency oscillator using 6C11J] triode 6C21[,
Tenepatop ϕ uxcupoBanHoil yacrorel	1 A	Tenepatop ϕ uxcupoBanHoil yacrorel 6C21J1 Ha The 6C21J1 fixer-frequency oscillator using a
tpuoge	1	tpuoge 6C11J npemHasunauen AJs reHEepUPOBAHHUSA 6C11J1 triode is designed for generation of high-
Cenepatops ϕ ukcHpoBanHoil uwactotl	6	Cenepatops ϕ ukcHpoBanHoil uwactotl 6C21J]] The 6C21J]] {fixed-frequency oscallators usinga
Ha Tpuose	6	Ha Tpuose 6C11J]] BpimyckarTC B Mera/sIMieCKOM 6C11/[triode are enclosed in silver-plated metal
Fenepatopsl ϕ ukcupoBaHHo#i uacrorel	6	Fenepatopsl ϕ ukcupoBaHHo#i uacrorel 6C217L
The	6	The 6C21J]] fixed-frequency oscallators using
Ha Tpuome	6	Ha Tpuome 6CI11J]] ycToifiuuBel K BO3IEHCTBHIO OK-
pyxamwomeil TemnepaTypsl ot —	50	pyxamwomeil TemnepaTypsl ot —70 xc +50°C u
OTHOCHUTEHbHOR BaaxuHocTtd	98	OTHOCHUTEHbHOR BaaxuHocTtd 95—98% npu temmnepa-
Type	50	Type +50°C.
lapanTupoBanHaa [ojaroseyHocts	250	lapanTupoBanHaa [ojaroseyHocts 250 uacos. Service life guarantee: 250 hr.
Published electrical value	63	U, 63V R, ") VYcranasausaeres
Published electrical value	3 MHz	U, 110V 1782+3 MHz

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical value	1	1) Iast aBTOMAAaTHUYeCKOr'O CMEILleHHs.
Published electrical value	3 mA	2) TIpU Toke amoua 30+ 3 mA.
At anode current of	30	At anode current of 30+
NMPEOEJNbHO AONYCTHMBIE	3	NMPEOEJNbHO AONYCTHMBIE 3KCIJYATALLMOHHBIE JAHHBIE
Published electrical value	90	90 max

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HauGonemuit Bec	35	HauGonemuit Bec 35 e Maximum weight: 35 gr.


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1970 Russian Tubes Mashpriborintorg

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

1970 RUSSIAN TUBES MASHPRIBORINTORG

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol U,	63 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U,	110 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol amoua	30+ 3 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol of	30+ 3 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol Ua	220 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol P,	36 W	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol N	90 ma	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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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	30 mA	при 0,=6,3 В, И,=110 В, 14==30 мА
Heater current	0–185 mA	Ток накала . 0—185 мА
Published electrical parameter	>202 mW	То же при 0,=5,4 В, О(,,ЮОВ. > 202 мВт
Heater voltage	7 V	Напряжение накала , 7 В
Dissipation / power	6 V	Мощность, рассеиваемая анодом . . . ,6 Вт
Frequency	5 a	ускорение при вибрации с частотой 50 Гц . 5а

TUBE TINKER

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