



ELECTRONIC TUBE REFERENCE

6S2S

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Indirectly heated Soviet medium-mu glass triode designed for low-frequency voltage amplification in receiving and general electronic circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0026 S
AMPLIFICATION FACTOR	20.5
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2.75 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Published electrical characteristics and permissible ratings promoted where OCR labels were unambiguous; remaining published numeric table entries retained in TUBE_SECTION_PARAMETER.</i>	

Indirectly heated Soviet triode in glass construction with medium amplification factor, intended for low-frequency voltage amplification.

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
type	6	type 6C2C 6I5GT
Heater voltage	63	Heater voltage 63V
Heater current	325 mA	Heater current 275—325 mA
Anode current	125	Anode current 5.5—125mA
Grid voltage –	-8	Grid voltage —8V
Steepness	2.032 V	Steepness 2,032 mA/V
Coefficient of amplification	23	Coefficient of amplification 18—23
taneously on	2	taneously on 2 and more electrodes under operating condi-
type	6	type 6C2C oy
View from the side	7	View from the side 7 Heater
Published electrical value	8	8 Cathode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum allowable anode voliage	330	Maximum allowable anode voliage 330V
Maximum allowable heater voltage oscillation	69 V	Maximum allowable heater voltage oscillation 57—69 V
Maximum allowable cathode-heater voltage	100	Maximum allowable cathode-heater voltage 100V
Maximum allowable cathode current	20 mA	Maximum allowable cathode current 20 mA
Maximum allowable anode dissipation	275 W	Maximum allowable anode dissipation 275 W

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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,	-8 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol S	26+0.6 mA/V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I,	30025 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I,	9+35 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U,	250 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol I,Y	<20 pA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol U,	69 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U,	330 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Source symbol L	20 mA	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.
Source symbol U,	100 V	Published bilingual datasheet table; source symbol preserved because OCR/notation may be ambiguous.



SOURCE DATA APPENDIX

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	25 mA	Translated from Russian source; OCR line: Ток накала . , (300+=25) mA
Plate current	3.5 mA	Translated from Russian source; OCR line: Ток анода . й В . , (98-3,5) mA
Amplification factor	5	Translated from Russian source; OCR line: Коэффициент усиления —. , . , 20,5=E2,5

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service life	22000 h	Translated from Russian source; OCR line: Наработка . . . P, 22000 ч
Heater voltage	6.9 V	Translated from Russian source; OCR line: Напряжение накала . , 5,7—6,9 B
Plate voltage	330 V	Translated from Russian source; OCR line: Напряжение анода 330 B
Plate dissipation	2.75 W	Translated from Russian source; OCR line: Мощность, рассеиваемая анодом . . , 2,75 Вт

TUBE TINKER

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and their source documents.

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