



ELECTRONIC TUBE REFERENCE

6S7B

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

General-purpose triode for voltage amplification or electronic service as documented by the manufacturer.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.0023 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	7 mA
<i>Promoted fields are taken from the published electrical-characteristics and maximum-permissible-ratings tables in the approved bilingual source; repeated identical sections are represented once where applicable.</i>	

The 6C7b triode is designed for amplification Npsi'KeHHsl HU3KOM YacTOTHl.



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	300 mA	Published heater current.
Transconductance	2300 μ S	Published characteristic; normalized to μ S.
Amplification factor	20	Published characteristic.
Service life	1500 h	Published service-life guarantee.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	250 V	Published limiting/specification value.
Maximum plate dissipation	1 W	Published limiting value.



SOURCE OPERATING CONDITIONS

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
Plate voltage - characteristic point	250 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current - characteristic point	4.5 mA	—
Grid-to-plate capacitance maximum	1 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service life guarantee	1500 h	—



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
Nominal heater voltage	6.3 V	Published source value
Nominal heater current	200 mA	Published source value
Transconductance	4000 μ S	Published operating point
Amplification factor	65	Published operating point
Guaranteed service life	1500 h	Published source value

TUBE TINKER

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