



ELECTRONIC TUBE REFERENCE

6S5D

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Russian transmitting triode designed for oscillation generation in the UHF and lower microwave frequency regions.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 800 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.01 S
AMPLIFICATION FACTOR	40
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM PLATE DISSIPATION	25 W
MAXIMUM CATHODE CURRENT	25 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 6C5]] transmitting triode is designed for reHepUpOBaHUA KoJjieOaHH{i B NeNWMeTPOBOM IHa-generation of oscillation over the ultrahigh fre- HasoHe BOJH H B BepxHell 4acTH CaHTHMETPOBOTO quency band and the upper part of the superhigh IHamnasoHa.



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	800 mA	Published heater current.
Transconductance	10000 μ S	Published characteristic; normalized to μ S.
Service life	400 h	Published service-life guarantee.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	1000 V	Published limiting/specification value.
Maximum plate dissipation	25 W	Published limiting value.



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
Plate voltage - characteristic point	250 V	—
Plate current - characteristic point	16 mA	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	1.15 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency	3370 MHz	—

TUBE TINKER

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and their source documents.

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