

ELECTRONIC TUBE REFERENCE

6S4S

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Soviet directly heated low-frequency output triode for audio power amplification. Low amplification factor, useful transconductance, approximately 15 W plate dissipation, and 400 V plate capability suit high-current audio output stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 1 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0052 S
AMPLIFICATION FACTOR	4.7
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	15 W
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.	

The 6CAC output triode is designed for ampli- JIEHHs] MOILTHOCTH HHU3KOH 4acTOTHЛ fication of low-frequency voltage.



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	1000 mA	Published heater current.
Transconductance	5200 μ S	Published characteristic; normalized to μ S.
Amplification factor	4.7	Published characteristic.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	400 V	Published limiting/specification value.
Maximum plate dissipation	15 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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power output	2.8 W	—
Service life guarantee	1000 h	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid bias	-45 V	—