ELECTRONIC TUBE REFERENCE

6S3PE

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Long-life Russian high-frequency triode designed for amplification of high-frequency voltages in receiving and broadband electronic equipment.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	9
NOMINAL HEATER	6.3 V / 315 mA	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Triode

TRANSCONDUCTANCE	0.0195 S
AMPLIFICATION FACTOR	50
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	3.5 W
MAXIMUM CATHODE CURRENT	20 mA

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 6C3II-E long-life high-frequency triode is npelHa3HaueH /A YCHJIEHUS HalpPSKeHHs BbICOKOH designed for amplification of high-frequency vol- 4acTOTHL.

SOURCE OPERATING CONDITIONS

195X Russian

SOURCE PDF

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	**315 mA**	Published heater current.
Transconductance	**19500 µS**	Published characteristic; normalized to µS.
Service life	**10000 h**	Published service-life guarantee.

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum plate voltage	**250 V**	Published limiting/specification value.
Maximum plate dissipation	**3.5 W**	Published limiting value.

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

1970 Russian Tubes Mashpriborintorg

SOURCE PDF

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	**150 V**	—
Plate current - characteristic point	**15 mA**	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance maximum	**2.2 pF**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Service life guarantee	**10000 h**	—

Tube Tinker

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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