



ELECTRONIC TUBE REFERENCE

6S40P

Triode - HV Shunt Regulator electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

High-voltage Russian triode designed specifically to function as a voltage stabilizer in electronic power-supply circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
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	0.001 S
MAXIMUM PLATE VOLTAGE	1500 V
MAXIMUM PLATE DISSIPATION	3 W
Electrical data extracted only from filename-designated Russian tube block; identical dual sections compressed where applicable.	

The 6C40IT high-voltage triode has been designed to paboTel B KayecTBe CTaOMNU3aTOPa HANPAXKCHHA B CXe- function as a voltage stabilizer in c.



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	1000 μ S	Published characteristic; normalized to μ S.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	1500 V	Published limiting/specification value.
Maximum plate dissipation	3 W	Published limiting value.



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
Published electrical parameter	<10 pF	катол—подогреватель ее < 10 пФ
Service life	2500 h	Наработка к. . 2500ч

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Reverse current	<1 µA	обратный ток сетки (при $U_c = -2$ В) 2 .. — < 1мкА
Published electrical parameter	300 V	ной полярности (при остаточном $U_r = <150$ В) , . 300В
Published electrical parameter	150 V	Напряжение между катодом и подогревателем) . , . 150В
Published electrical parameter	70 mA	среднее значение. . . , . . ее . . . , 70 МА
Published electrical parameter	2 A	в импульсе в .В в Ъ, . 2А
Dissipation / power	4.5 V	Мощность, рассеиваемая анодом . . . я . з . . . , 4,5 Вт
Dissipation / power	0.35 V	Мощность, рассеиваемая сеткой , , » . а в в . . 0,35 Вт
Published electrical parameter	33 MΩ	при автоматическом смещений , , э в в в . > 0,33 МОм
Published electrical parameter	0.1 MΩ	при фиксированном смещении , , ... 0,1 МОм
Published electrical parameter	600 Hz	600 Гц . . . ке . 108
Published electrical parameter	300 µA	при $U_n = 6.3$ В, $U_p = 20$ кВ, $I_r = - (10.5 - +17.5)$ В. $I_r = 300$ мкА
Heater current	170215 mA	Ток накала. . . . 170215 мА
Published electrical parameter	<20 мКА	между сеткой и всеми электродами , * в * <20 мКА
Published electrical parameter	<50 µA	между катодом и подогревателем . <50 мкА
Transconductance	>0.1 mA/V	крутизна характеристики . * >0,1 мА/В
Plate voltage	20 kV	Напряжение анода , , й 20 кВ
Published electrical parameter	<30 V	запирающее . , <30 В
Published electrical parameter	225 V	Напрчл<ешк между КЗТОДОМ И ПОДО! РСВЭГ@ЛСМ й , 225 В
Published electrical parameter	500 µA	Ток _ анода , , 500 мкА
Dissipation / power	6 V	Мощность, рассеивасмая анодом , 6 Вт
Published electrical parameter	1 %	200 .1%'> X & ,\Ъ 400

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published electrical parameter	16–1 %	0 & 8 72 76 20 2%κB 8 -20 -18 —16 —1% —12 -10 -& -©

TUBE TINKER

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