



ELECTRONIC TUBE REFERENCE

6I1PV

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

HEPTODE-TRIODE

Soviet 6I1P-V rugged triode-heptode frequency converter with shared cathode, 6.3 V 300 mA heater and 2000-hour minimum service life.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode

TRANSCONDUCTANCE	0.0023 S
AMPLIFICATION FACTOR	18

6I1P-V independent 1981 Russian handbook comparison table. Typical triode V_a 100 V, I_a 6.8 mA, g_m 0.0023 A/V, μ 18 ± 3 , C input/output/transfer 2.5/1.9/1.15 pF, minimum life 2000 h. No independent maximum plate/dissipation/cathode ratings verified; leave null.

SECTION2 Heptode

No fixed ratings recorded.

6I1P-V 1981 Russian handbook comparison table. Typical heptode V_a 250 V, I_a 3.3 mA, screen2+4 current 6 mA, conversion conductance 0.00075 A/V (NOT ordinary g_m), internal resistance 0.7 M Ω , C input grid1 5.1 pF, input grid3 5.9 pF, output 6.6 pF. Minimum life 2000 h. No independent maximum ratings established; leave null.

6I1PV: Russian other vacuum tube; source technical description translated to English.

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	170 V	дд =170В /5@А\ъ ё/ 720
Published electrical parameter	5 %	5 % ниатюрное (рис. 21П). Масса 20 г.
Published electrical parameter	0 V	при Ив=6,3 В, И,т==100 В, Исл=—? В (для ЕСН81 Ис=0 В),
Published electrical parameter	1 в	Наименование 6И1 ВИ!П-В 6И!П-ЕВ ЕСН81
Published electrical parameter	5 A	3.6Ё1'5 А
Published electrical parameter	<0.0 %	анодом триода , <0,0% <0,06 <0,06 <0,06
Published electrical parameter	-0.5 V	* Для ЕСН8! при !}с1 =---0,5 В,
Published electrical parameter	5 %	дом и подогревателем, В]005 %(2)05 %ООГ 100
Published electrical parameter	5–600 Hz	5—600 Гц @ й 2,5 Ю 10 —
Published electrical parameter	200 V	0 20 #0 60 60 100720 160 180 200 В 8-10-8 -6-4-2 0
Published electrical parameter	50 V	ЦР63В Е0а в50В /', 'д
Published electrical parameter	100 V	78 _ Исё ОЕ 100В з ОВ ЛЙ
Published electrical parameter	0 в	72 27 0В Из=0в 1...,*/ 00 у'ъм 'Ё

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