



ELECTRONIC TUBE REFERENCE

6A2P

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

HEPTODE

Russian heptode for oscillator-converter service in radio receiving equipment. Its multi-grid construction combines local oscillation and mixing, translating incoming RF signals to the intermediate frequency from a conventional 6.3 V heater supply.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Heptode	
TRANSCONDUCTANCE	0.0003 S
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM SCREEN VOLTAGE	110 V
Electrical values extracted only from the filename-designated tube block; page-edge fragments excluded.	

The 6A2P is an indirectly heated converting heptode for frequency conversion in electronic equipment.



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 · Heptode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage	250 V	Published operating point
Grid 2 and grid 4 voltage	100 V	Published operating point
Grid 3 voltage	-1.5 V	Published operating point
Grid 1 current	0.5 mA	Published value
Anode current	3 mA	Published nominal
Grid 2 and grid 4 current	7 mA	Published nominal
Grid 1 circuit resistance	20 kOhm	Published value
Conversion transconductance	0.3 mA/V	Grid 3 AC 0.7 V RMS
Heterodyne transconductance	4.5 mA/V	Anode 100 V; grids 1 and 3 at 0 V
Input capacitance	6.7 pF	Published nominal
Output capacitance	9.25 pF	Published nominal
Transfer capacitance	0.35 pF	Published 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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	7 V	Крутизна преобразования (прн исдпер—O7B),

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