



ELECTRONIC TUBE REFERENCE

6J53P

Voltage - Pentode High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Russian wideband high-frequency pentode designed for voltage amplification. Manufacturer documentation identifies it as a broadband RF signal tube intended for circuits requiring substantial frequency coverage rather than power-output operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B7G	BASE PINS	7
NOMINAL HEATER	6.3 V / 160 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.017 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	3.5 W
MAXIMUM SCREEN DISSIPATION	0.4 W
MAXIMUM CATHODE CURRENT	24 mA
<i>Promoted values translated from the complete filename-designated Russian entry only.</i>	

The 6J53P is a Russian wideband high-frequency pentode for voltage amplification. The source entry was translated to English and processed independently from neighboring partial entries.

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 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal heater voltage	6.3 V	Published source value
Nominal heater current	160 mA	Published source value
Guaranteed service life	3000 h	Published source value
Transconductance	17000 μ S	Published operating point

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and their source documents.

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