



ELECTRONIC TUBE REFERENCE

6J40P

Voltage - Pentode or Tetrode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Russian pentode for both high- and low-frequency voltage amplification using a low-voltage anode and screen supply. Its broad signal-amplifier role is distinguished by operation from comparatively low supply voltages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B7G	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

SECTION1 Pentode	
PLATE RESISTANCE	100000 Ω
TRANSCONDUCTANCE	0.0021 S
MAXIMUM PLATE VOLTAGE	30 V
MAXIMUM SCREEN VOLTAGE	30 V
MAXIMUM PLATE DISSIPATION	0.5 W
MAXIMUM SCREEN DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	15 mA
<i>Values promoted where clearly identifiable from Russian source.</i>	

Pentode for high- and low-frequency voltage amplification with low-voltage anode-screen supply.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate current	1.85 mA	Published Russian-source value; OCR-normalized.
Screen current	0.55 mA	Published Russian-source value; OCR-normalized.
Transconductance	2 μ S	Published Russian-source value; OCR-normalized.
Plate resistance	200 k Ω	Published Russian-source value; OCR-normalized.
Amplification factor	4.3	Published Russian-source value; OCR-normalized.
Input capacitance	6.7	Published Russian-source value; OCR-normalized.
Output capacitance	4	Published Russian-source value; OCR-normalized.
Transfer capacitance	0.015	Published Russian-source value; OCR-normalized.
Service life	1500 h	Published Russian-source value; OCR-normalized.
Transconductance	1.4 μ S	Published Russian-source value; OCR-normalized.
Heater voltage	75 V	Nominal/published heater value.
Heater current	300 mA	Nominal/published heater value.

TUBE TINKER

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

