

ELECTRONIC TUBE REFERENCE

6J38P

Voltage - Pentode High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Russian miniature pentode designed for high-frequency voltage amplification. Its manufacturer description places it in RF signal-amplifier service, using compact miniature construction rather than a power-output or specialized conversion role.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B7G	BASE PINS	7
NOMINAL HEATER	6.3 V / 190 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	175000 Ω
TRANSCONDUCTANCE	0.0106 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	160 V
MAXIMUM PLATE DISSIPATION	3 W
MAXIMUM SCREEN DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	20 mA
Values promoted where clearly identifiable from Russian source.	

Miniature pentode for high-frequency voltage amplification.

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	3.5 mA	Published Russian-source value; OCR-normalized.
Screen current	1 mA	Published Russian-source value; OCR-normalized.
Transconductance	10.6 mA	Published Russian-source value; OCR-normalized.
Input capacitance	1.1	Published Russian-source value; OCR-normalized.
Output capacitance	0.9	Published Russian-source value; OCR-normalized.
Transfer capacitance	0.02	Published Russian-source value; OCR-normalized.
Service life	5000 h	Published Russian-source value; OCR-normalized.
Transconductance	6.2 μ S	Published Russian-source value; OCR-normalized.
Heater voltage	6.6 V	Nominal/published heater value.
Heater current	19020 mA	Nominal/published heater value.

TUBE TINKER

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