



ELECTRONIC TUBE REFERENCE

1J29BR

Voltage - Pentode High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Ruggedized Russian high-frequency pentode designed for voltage amplification. Its strengthened construction supports RF signal service under demanding mechanical conditions while retaining the compact form of a miniature directly heated pentode.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.2 V / 60 mA	PARALLEL HEATER	1.2 V / 60 mA
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM SCREEN VOLTAGE	120 V
MAXIMUM PLATE DISSIPATION	1.2 W
MAXIMUM SCREEN DISSIPATION	0.35 W
MAXIMUM CATHODE CURRENT	8 mA
<i>Values promoted where clearly identifiable from Russian source.</i>	

High-frequency ruggedized pentode for 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	7 mA	Published Russian-source value; OCR-normalized.
Screen current	0.5	Published Russian-source value; OCR-normalized.
Transconductance	0.8 μ S	Published Russian-source value; OCR-normalized.
Input capacitance	0.6	Published Russian-source value; OCR-normalized.
Output capacitance	0.6 V	Published Russian-source value; OCR-normalized.
Transfer capacitance	6 h	Published Russian-source value; OCR-normalized.
Service life	5000	Published Russian-source value; OCR-normalized.
Transconductance	1.2 μ S	Published Russian-source value; OCR-normalized.
Plate current	1.5 mA	Published Russian-source value; OCR-normalized.
Screen current	0.4 mA	Published Russian-source value; OCR-normalized.
Transconductance	0.5 μ S	Published Russian-source value; OCR-normalized.
Input capacitance	0.6 pF	Published Russian-source value; OCR-normalized.
Output capacitance	5 pF	Published Russian-source value; OCR-normalized.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transfer capacitance	5 pF	Published Russian-source value; OCR-normalized.
Service life	85 h	Published Russian-source value; OCR-normalized.
Transconductance	1.2 V	Published Russian-source value; OCR-normalized.
Heater voltage	0.05 V	Nominal/published heater value.
Heater current	8 mA	Nominal/published heater value.

TUBE TINKER

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

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