



ELECTRONIC TUBE REFERENCE

2P29P

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Directly heated Russian low-power pentode designed for RF power amplification and oscillator service to approximately 120 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	2.2 V / 120 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.0017 S
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	120 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM SCREEN DISSIPATION	0.3 W
MAXIMUM CATHODE CURRENT	5 mA
<i>REDO promoted fields populated from published specification/maximum-rating tables where applicable.</i>	

The 2P29P is a directly heated low-power oscillator pentode for power amplification and oscillation up to 120 MHz.



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 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage	120 V	Published operating point
Grid 1 voltage	0 V	Published operating point
Grid 3 voltage	0 V	Published operating point
Anode current	3 mA	Published value
Grid 2 current	1 mA	Published value
Transconductance	1.7 mA/V	Published value
Grid 1 cutoff voltage	-2.8 V	At anode current 100 uA
Anode-cathode capacitance	0.012 pF	Published value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum operating frequency	120 MHz	Oscillator service

TUBE TINKER

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