

ELECTRONIC TUBE REFERENCE

GU46

Power - Pentode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Russian RF power pentode documented with bilingual electrical and limiting-operating data. Designed for radio-frequency power amplification or generation rather than receiving-type small-signal service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	8.3 V / 10 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
MAXIMUM PLATE VOLTAGE	3000 V
MAXIMUM SCREEN VOLTAGE	650 V
MAXIMUM PLATE DISSIPATION	500 W
MAXIMUM SCREEN DISSIPATION	45 W
MAXIMUM GRID DISSIPATION	4 W
English text primary; Russian used only to verify/repair OCR.	

RF power pentode. Extracted from the English electrical and limit-operating tables of the bilingual datasheet.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 Electronintorg

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1968 ELECTRONINTORG

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	7500–11500 uS	—
Amplification Factor	4–6	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	26–33 pF	—
Output Capacitance	6.5–11 pF	—
Transfer Capacitance	0.15 pF	max

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid3 Dissipation	4 W	—
Minimum Output Power	700 W	60MHz
Output Power after 1000 h	600 W	minimum
Filament Starting Current	23 A	—
Operating Frequency	60 MHz	—