



ELECTRONIC TUBE REFERENCE

GU36B1

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

High-power Russian VHF tetrode producing at least approximately 10 kW output through 250 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	8.3 V / 120 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE VOLTAGE	8000 V
MAXIMUM SCREEN VOLTAGE	1100 V
MAXIMUM PLATE DISSIPATION	15000 W
MAXIMUM SCREEN DISSIPATION	300 W
MAXIMUM GRID DISSIPATION	150 W
English text primary; Russian used only to verify/repair OCR.	

High-power RF tetrode for operation through 250 MHz. 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 · Tetrode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Current	110 A–130 A	—
Transconductance	70000–96000 uS	—
Amplification Factor	7–13	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	155 pF	max
Output Capacitance	24 pF	max
Transfer Capacitance	0.8 pF	max

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Voltage 100-250 MHz	7000 V	—
Filament Starting Current	210 A	—
Minimum Output Power	10 kW	up to 250 MHz
Operating Frequency	250 MHz	—