



ELECTRONIC TUBE REFERENCE

GU47B

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

High-power Soviet RF tetrode with pulse-oscillator capability, producing approximately 12 kW pulsed output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE VOLTAGE	6000 V
MAXIMUM SCREEN VOLTAGE	1200 V
MAXIMUM PLATE DISSIPATION	4000 W
MAXIMUM SCREEN DISSIPATION	300 W
MAXIMUM GRID DISSIPATION	50 W
<i>English text primary; Russian used only to verify/repair OCR.</i>	

Pulse-capable RF power tetrode. 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	57 A–67 A	—
Transconductance	36000–44000 uS	—
Amplification Factor	8–12	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	100 pF	max
Output Capacitance	19 pF	max
Transfer Capacitance	0.5 pF	max

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Starting Current	90 A	—
Oscillator Output Power	12 kW	grid-keyed pulse mode; up to 100MHz
Operating Frequency	70 MHz	—