



ELECTRONIC TUBE REFERENCE

GU47A

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

High-power Soviet transmitting tetrode for professional RF service to approximately 70 MHz.

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

SECTION 1 Tetrode	
MAXIMUM PLATE VOLTAGE	6000 V
MAXIMUM SCREEN VOLTAGE	1200 V
MAXIMUM PLATE DISSIPATION	6000 W
MAXIMUM SCREEN DISSIPATION	300 W
MAXIMUM GRID DISSIPATION	50 W
English text primary; Russian used only to verify/repair OCR.	

Power tetrode for RF amplification. 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
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	—
Operating Frequency	70 MHz	—

TUBE TINKER

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

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