



ELECTRONIC TUBE REFERENCE

GU39A1

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

High-power Russian transmitting tetrode providing at least approximately 13 kW output at 30 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	10000 V
MAXIMUM SCREEN VOLTAGE	2000 V
MAXIMUM PLATE DISSIPATION	8000 W
MAXIMUM SCREEN DISSIPATION	450 W
MAXIMUM GRID DISSIPATION	200 W
English text primary; Russian used only to verify/repair OCR.	

RF power tetrode with 13-kW minimum output at 30 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
Transconductance	20000–28000 uS	—
Amplification Factor	6–9	—
Operating Frequency at 13kW	30 MHz	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	80 pF	max
Output Capacitance	29 pF	max
Transfer Capacitance	0.7 pF	max
Grid2-Cathode Capacitance	50 pF	min

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Output Power	13 kW	Va=10kV;30MHz
Cutoff Frequency	100 MHz	—
Filament Starting Current	150 A	—

TUBE TINKER

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

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