

ELECTRONIC TUBE REFERENCE

GU44A

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Very-high-power Russian RF tetrode producing approximately 70 kW output at 32 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.5 V / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE VOLTAGE	12000 V
MAXIMUM SCREEN VOLTAGE	2000 V
MAXIMUM PLATE DISSIPATION	50000 W
MAXIMUM SCREEN DISSIPATION	3200 W
MAXIMUM GRID DISSIPATION	1200 W
English text primary; Russian used only to verify/repair OCR.	

Very-high-power RF 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 Voltage	12–13 V	—
Operating Frequency at 70kW	32 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Starting Current	300 A	—
Negative Grid1 Voltage	1500 V	absolute
Output Power	70 kW	—
Envelope/Stem/Seal Temperature	150 C	—
Screen Voltage	2000 V	published limit