

ELECTRONIC TUBE REFERENCE

GU96B

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Russian directly heated metal-ceramic power triode for RF oscillator service. Rated for approximately 4 kW plate dissipation and 7 kV plate voltage, with forced-air cooling and useful operation to about 250 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

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	7000 V
MAXIMUM PLATE DISSIPATION	4000 W
MAXIMUM GRID DISSIPATION	200 W
English text used as primary source; Russian text used only to repair/check ambiguous OCR.	

The GU-96B is a directly heated metal-ceramic power triode used as an RF oscillator, with forced-air cooling and operation to 250 MHz.

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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating Frequency	250 MHz	—
Maximum Anode Voltage	7000 V	—
Maximum Anode Dissipation	4000 W	—
Maximum Grid Dissipation	200 W	—
Filament Starting Current Peak	140 A	—
Maximum Anode Voltage 86-250 MHz	5000 V	—
Maximum Anode Voltage ≤85 MHz	7000 V	—
Output Power	2.5 kW	Self-excitation at 86-250 MHz; Va=4.5 kV
Output Power	4 kW	Self-excitation ≤85 MHz; Va=6.8 kV

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament/Heater Voltage	6.3 V	—
Mutual Conductance	20000–28000 uS	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-Anode Capacitance	25 pF	—
Grid-Cathode Capacitance	45 pF	—
Anode-Cathode Capacitance	1 pF	—

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker