



ELECTRONIC TUBE REFERENCE

GU5A

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Very-high-power Russian RF transmitting triode for substantial radio-frequency service. Rated for approximately 35 kW plate dissipation and 5 kV plate voltage, emphasizing exceptionally high current and thermal capability for major transmitter or industrial RF installations.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	5000 V
MAXIMUM PLATE DISSIPATION	35000 W
English text primary; Russian used only to verify/repair OCR.	

High-power RF triode. 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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	12000–18000 uS	—
Amplification Factor	60–85	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	19 pF	max
Output Capacitance	0.5 pF	max
Transfer Capacitance	16 pF	max

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Output Power	3.5 kW	12m wavelength
Anode Voltage 30-110MHz	4000 V	—
Operating Frequency	110 MHz	—

TUBE TINKER

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and their source documents.

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