



ELECTRONIC TUBE REFERENCE

GU56

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

RF power triode for oscillator and amplifier service. Approximately 700 W plate dissipation and multi-kilovolt capability provide useful medium-power radio-frequency generation and amplification for communications and related transmitter equipment.

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 Triode	
MAXIMUM PLATE VOLTAGE	3500 V
MAXIMUM PLATE DISSIPATION	700 W
MAXIMUM GRID DISSIPATION	200 W
English text primary; Russian used only to verify/repair OCR.	

RF oscillator and amplifier 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	6000–10000 μS	—
Amplification Factor	11–19	—
Minimum Anode Current	1.5 A	$V_a=300\text{V}; V_g=250\text{V}$

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	30 pF	max
Output Capacitance	20 pF	max
Transfer Capacitance	0.8 pF	max

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating Frequency	45 MHz	—