

ELECTRONIC TUBE REFERENCE

GU94A

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

High-power metal-ceramic tetrode designed primarily for stationary pulse-modulation RF equipment through approximately 30 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	18 V / 600 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE VOLTAGE	15000 V
MAXIMUM SCREEN VOLTAGE	1800 V
MAXIMUM PLATE DISSIPATION	160000 W
MAXIMUM SCREEN DISSIPATION	2500 W
MAXIMUM GRID DISSIPATION	500 W
English text used as primary source; Russian text used only to repair/check ambiguous OCR.	

The GU-94A is a directly heated metal-ceramic tetrode designed for stationary pulse-modulation RF equipment, providing very high output power at frequencies through 30 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 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating Frequency	30 MHz	—
Maximum Anode Voltage	15000 V	—
Maximum Anode Dissipation	160000 W	—
Maximum Grid Dissipation	500 W	—
Maximum Grid 2 Voltage	1800 V	—
Maximum Grid 2 Dissipation	2500 W	—
Anode Voltage in Anode-Screen Modulation	12500 V	—
Grid 2 Voltage in Anode-Screen Modulation	900 V	—
Negative Bias Voltage	600 V	—
Filament Starting Current Peak	800 A	—
Output Power	150 kW	Pulse modulation; up to 2 MHz
Output Power	100 kW	Pulse modulation; up to 30 MHz

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament/Heater Voltage	18 V	—
Peak Anode Current	190 A	—
Mutual Conductance	110000–180000 uS	—

TUBE TINKER

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

