



ELECTRONIC TUBE REFERENCE

GU94P

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Transmitting power tetrode designed for RF amplification, linear/SSB service, oscillation, modulation, broadcasting, or frequency multiplication.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	18.5 V / 650 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	100000 W
MAXIMUM SCREEN DISSIPATION	2500 W
MAXIMUM GRID DISSIPATION	500 W
<i>English text used as primary source; Russian text used only to repair/check ambiguous OCR.</i>	

The GU-94P is a directly heated metal-ceramic tetrode for linear amplification of single-sideband signals in stationary RF equipment, with evaporation anode cooling and forced-air cooling of other elements.

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	100000 W	—
Maximum Grid Dissipation	500 W	—
Maximum Grid 2 Voltage	1800 V	—
Maximum Grid 2 Dissipation	2500 W	—
Filament Starting Current Peak	800 A	—
Output Power	100 kW	Single-sideband linear amplification to 30 MHz

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament/Heater Voltage	18.5 V	—
Anode Current Minimum	38 A	V _a =2.5 kV

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Output Capacitance	60–77 pF	—
Transfer Capacitance	2.6 pF	—

TUBE TINKER

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and their source documents.

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