ELECTRONIC TUBE REFERENCE

GU91B

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	12.6 V / –	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Tetrode

MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM SCREEN VOLTAGE	350 V
MAXIMUM PLATE DISSIPATION	1600 W
MAXIMUM SCREEN DISSIPATION	20 W
MAXIMUM GRID DISSIPATION	0.1 W
MAXIMUM CATHODE CURRENT	1.4 A

English text used as primary source; Russian text used only to repair/check ambiguous OCR.

> The GU-91B is a metal-ceramic tetrode used for RF power amplification, with forced-air cooling and operation to 250 MHz.

SOURCE OPERATING CONDITIONS

1968 Electronintorg

SOURCE PDF

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	**250 MHz**	—
Maximum Anode Voltage	**2000 V**	—
Maximum Anode Dissipation	**1600 W**	—
Maximum Grid Dissipation	**0.1 W**	—
Maximum Grid 2 Voltage	**350 V**	—
Maximum Grid 2 Dissipation	**20 W**	—
Peak/Instantaneous Anode Voltage	**3750 V**	—
Cathode Current Instantaneous	**4.5 A**	—
Cathode-Heater Voltage	**100 V**	—

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Filament/Heater Voltage	**12.6 V**	—
Mutual Conductance	**30000–65000 uS**	—
Minimum Cathode Heating Time	**180 s**	—
Minimum Warm-up Time	**300 s**	—

TUBE TINKER

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

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