

ELECTRONIC TUBE REFERENCE

GU43B

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Continuous-duty Russian RF power tetrode designed for dependable kilowatt-class professional transmitter service.

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	3300 V
MAXIMUM SCREEN VOLTAGE	500 V
MAXIMUM PLATE DISSIPATION	1000 W
MAXIMUM SCREEN DISSIPATION	28 W
MAXIMUM GRID DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	3.2 A
English text primary; Russian used only to verify/repair OCR.	

Power tetrode for continuous RF amplification. 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 · Tetrode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	40000–50000 uS	—
Cathode Heating Time	180 s	maximum

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	80–100 pF	—
Output Capacitance	10–18 pF	—
Transfer Capacitance	0.1 pF	max

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode Current DC	1 A	—
Cathode Current Peak	3.2 A	—
Minimum Output Power	1.6 kW	—
Output Power after 1000 h	1.3 kW	minimum

TUBE TINKER

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and their source documents.

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