



ELECTRONIC TUBE REFERENCE

GS15B

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

Russian grounded-grid RF tetrode for continuous-wave oscillator and amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 2.025 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
TRANSCONDUCTANCE	0.009 S
MAXIMUM PLATE VOLTAGE	1370 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	200 W
MAXIMUM CATHODE CURRENT	240 mA
<i>Promoted from English maximum/characteristic tables; grid, capacitance and output-power data retained in parameters.</i>	

The GS15B is a rf oscillator/amplifier tetrode for grounded-grid cw operation.

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
Heater current	1.85 A–2.2 A	—
Mutual conductance	9 mA/V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode voltage	1370 V	—
Maximum grid 2 voltage	300 V	—
Maximum cathode/anode current	240 mA	—
Anode dissipation	200 W	—
Warm-up time maximum	60 s	—
Minimum oscillator output power	112.5 W	—
Maximum drive power	12 W	—
Frequency range	5–1400 MHz	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid1-cathode capacitance	6–8.5 pF	—
Grid2-anode capacitance	1.5–2.3 pF	—

TUBE TINKER

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and their source documents.

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