



ELECTRONIC TUBE REFERENCE

GS27B

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Russian grounded-grid RF voltage-amplifier tetrode for circuits operating to approximately 1 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 1.14 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.01 S
MAXIMUM PLATE VOLTAGE	650 V
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	100 W
MAXIMUM CATHODE CURRENT	210 mA
<i>Promoted from English maximum/characteristic tables; grid, capacitance and output-power data retained in parameters.</i>	

The GS27B is a rf voltage-amplifier tetrode for grounded-grid circuits to 1 ghz.

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	1.04 A–1.24 A	—
Mutual conductance	10 mA/V	—
Peak cathode emission current minimum	5 A	—
Inverse grid 1 current maximum	20 uA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode voltage	650 V	—
Maximum grid 2 voltage	200 V	—
Maximum cathode/anode current	210 mA	—
Anode dissipation	100 W	—
Output power minimum	40 W	—
Grid 1 dissipation	2 W	—
Grid 2 dissipation	2 W	—
Maximum instantaneous anode voltage	1800 V	—
Maximum instantaneous grid 2 voltage	300 V	—
Maximum grid current	30 mA	—
Warm-up time maximum	60 s	—
Operating frequency maximum	1000 MHz	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid1-cathode capacitance	6–9 pF	—
Grid2-anode capacitance	2–3.5 pF	—

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