

ELECTRONIC TUBE REFERENCE

GS11

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Compact Soviet high-frequency power triode with very low output capacitance. Its small structure, kilovolt-class plate capability, and modest dissipation suit specialized RF and microwave amplifier or oscillator applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 292.5 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.006 S
MAXIMUM PLATE VOLTAGE	1200 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM GRID DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	10 mA
Promoted from English maximum values and characteristics.	

The GS11 is a miniature rf oscillator/amplifier triode.

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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	275 mA–310 mA	—
Mutual conductance	6 mA/V	—
Gain coefficient	80–165	—
Operating point grid voltage	-1.2--0.3 V	AnodeVoltage=175V;AnodeCurrent=10mA

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode voltage	1200 V	—
Maximum cathode/anode current	10 mA	—
Anode dissipation	5 W	—
Grid dissipation	0.5 W	—
Warm-up time	15 s	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	2.1–3.5 pF	—
Output capacitance maximum	0.015 pF	—
Transfer capacitance	1–1.6 pF	—