

ELECTRONIC TUBE REFERENCE

GS14

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

High-transconductance Soviet centimeter-wave power triode for microwave RF service. Manufacturer data specifies useful output at wavelengths below roughly 8 cm, with increased dissipation compared with the GS13.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 730 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.018 S
MAXIMUM PLATE VOLTAGE	450 V
MAXIMUM PLATE DISSIPATION	28 W
MAXIMUM GRID DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	100 mA
Promoted from English maximum values and characteristics.	

The GS14 is a rf triode for generation, amplification and frequency multiplication.

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	660 mA–800 mA	—
Mutual conductance	18 mA/V	—
Mutual conductance	16–20 mA/V	—
Operating point grid voltage	-4.5--1 V	AnodeVoltage=250V;AnodeCurrent=30mA

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode voltage	450 V	—
Maximum cathode/anode current	100 mA	—
Anode dissipation	28 W	—
Grid dissipation	0.5 W	—
Warm-up time maximum	45 s	—
Minimum output power	2 W	AnodeVoltage=350V;AnodeCurrent=90mA;Wavelength<=7.7cm

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	3.5–5.5 pF	—
Output capacitance maximum	0.06 pF	—
Transfer capacitance	1.6–2.3 pF	—

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

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