



ELECTRONIC TUBE REFERENCE

GS35B

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Metal-ceramic RF power triode intended for high-frequency generation and amplification. Its compact transmitting construction and substantial plate capability suit RF power stages requiring high operating frequency and dependable power handling.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 2.95 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.025 S
MAXIMUM PLATE VOLTAGE	2500 V
MAXIMUM PLATE DISSIPATION	1500 W
MAXIMUM GRID DISSIPATION	26 W
MAXIMUM CATHODE CURRENT	1.4 A
Promoted from English maximum values and characteristics.	

The GS35B is a grounded-grid rf triode for continuous-wave generation and amplification.



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	2.65 A–3.25 A	—
Mutual conductance	25 mA/V	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode voltage	2500 V	—
Maximum cathode/anode current	1.4 A	—
Anode dissipation	1500 W	—
Grid dissipation	26 W	—
Grid voltage instantaneous range	-400–120 V	—
Warm-up time maximum	90 s	—
Output power minimum	800 W	AnodeVoltage=2.5kV;AnodeCurrent=0.7A;Wavelength=60cm
Output power minimum	350 W	AnodeVoltage=2.2kV;AnodeCurrent=0.8A;Wavelength=30cm

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	18–24 pF	—
Output capacitance maximum	0.12 pF	—
Transfer capacitance	3.8–5 pF	—

TUBE TINKER

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

