



ELECTRONIC TUBE REFERENCE

GU88A

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated metal-ceramic power triode for RF oscillator and power-amplifier service. Water cooling of the anode and forced air elsewhere support approximately 40 kW plate dissipation and plate ratings to 12 kV.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	26 V / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	12000 V
MAXIMUM PLATE DISSIPATION	40000 W
MAXIMUM GRID DISSIPATION	5000 W
English text used as primary source; Russian text used only to repair/check ambiguous OCR.	

The GU-88A is a metal-ceramic directly heated power triode used as an RF oscillator and power amplifier. It uses water cooling for the anode and forced-air cooling for the remaining envelope.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating Frequency	30 MHz	—
Maximum Anode Voltage	12000 V	—
Maximum Anode Dissipation	40000 W	—
Maximum Grid Dissipation	5000 W	—
Filament Starting Current Peak	1150 A	—
Output Power	published kW	Frequencies up to 22 MHz

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament/Heater Voltage	26 V	—
Static Amplification Factor	36–55	—

TUBE TINKER

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and their source documents.

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