

ELECTRONIC TUBE REFERENCE

GMI90

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
BEAMPOWER

Russian beam-power tetrode intended for high-voltage pulse-modulator operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	25 V / 7.2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
MAXIMUM PLATE VOLTAGE	33000 V
MAXIMUM SCREEN VOLTAGE	1750 V
MAXIMUM CATHODE CURRENT	40 A
High-voltage pulse ratings promoted from English data.	

The GMI90 is a beam-power tetrode intended for high-voltage pulse-modulator operation.

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 · Beam Power

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak anode current minimum	40 A	AnodeVoltage=33kV;Bias=-0.6kV;Grid2=1.75kV
Cutoff voltage maximum	550 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance maximum	150 pF	—
Output capacitance maximum	35 pF	—
Transfer capacitance maximum	10 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak grid 1 excess voltage	300 V	—
Pulse duration maximum	3 us	—
Warm-up time minimum	300 s	—

TUBE TINKER

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and their source documents.

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