

ELECTRONIC TUBE REFERENCE

GMI47A

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Russian very-high-current liquid-cooled pulse-switching triode for high-power pulse modulators.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	22 V / 141 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	70000 V
MAXIMUM CATHODE CURRENT	850 A
Promoted from published pulse switching limits; non-promoted pulse quantities retained as parameters.	

The GMI47A is a very-high-current liquid-cooled pulse switching 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	132 A–150 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode voltage	70000 V	—
Peak anode current	850 A	—
Peak cathode current	850 A	—
Negative cutoff/bias voltage	100 V	—
Peak excess grid voltage	6000 V	—
Maximum pulse duration	100 us	—

TUBE TINKER

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