

ELECTRONIC TUBE REFERENCE

GMI71

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Russian high-power tetrode designed for pulse-modulator or pulse-power switching service in RF equipment, controlling high-voltage, high-current pulses rather than continuous linear amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	26 V / 6 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE VOLTAGE	22000 V
MAXIMUM PLATE DISSIPATION	125 W
MAXIMUM CATHODE CURRENT	85 A
Published pulse limits promoted; other grid and pulse timing data retained in parameters.	

The GMI71 is a high-current tetrode intended for pulse-power switching/modulator service.

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 · Tetrode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	5.6 A–6.4 A	—
Negative grid 1 cutoff voltage maximum	900 V	—
Peak anode current minimum at 26 V heater	52 A	—
Peak anode current minimum at 23.5 V heater	42 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak grid 2 current maximum	10 A	—
Warm-up time minimum	240 s	—
Pulse duration maximum	25 us	—
Pulse frequency	200 pulse/s	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance maximum	120 pF	—
Output capacitance maximum	18 pF	—