

ELECTRONIC TUBE REFERENCE

GMI61

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

BEAMPOWER-BEAMPOWER

Russian double beam-power tetrode designed specifically for pulse-modulator service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 1.2 A	PARALLEL HEATER	6.3 V / 2.4 A
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
MAXIMUM PLATE VOLTAGE	4000 V
MAXIMUM SCREEN VOLTAGE	800 V
MAXIMUM CATHODE CURRENT	15 A
Representative row for both identical sections; some dissipation/current limits are explicitly shared across both tetrodes.	

SECTION2 Beam Power	
MAXIMUM PLATE VOLTAGE	4000 V
MAXIMUM SCREEN VOLTAGE	800 V
MAXIMUM CATHODE CURRENT	15 A
Second identical physical beam-power section; added to align double beam-power tetrode with SectionCount=2.	

The GMI61 is a double beam-power tetrode intended for pulse-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 · Beam Power

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak anode current	8 A–10.5 A	EachSection

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak grid 2 current maximum	3.5 A	EachSection
Peak grid 1 current maximum	3 A	EachSection

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	11–18 pF	—
Output capacitance	4.2–6.2 pF	—
Transfer capacitance maximum	0.2 pF	—

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker