



ELECTRONIC TUBE REFERENCE

GM1P

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Russian power triode for low-frequency low-distortion cathode-coupled amplifier service in electronic or RF equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10.5 V / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode

No fixed ratings recorded.

Promoted-field audit performed from English ratings/characteristics; detailed electrical values retained in parameter table.

The GM-1P power triode is used in low-frequency low-distortion cathode-coupled amplifier service. It has a carbonized thoriated-tungsten cathode and glass-to-metal 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
power triode is used in fow-fre	1 W	The MM-1I1 power triode is used in fow-fre
Cathode: carbonized thoriated tungsten	12	Cathode: carbonized thoriated tungsten. 1,2-xarofy; C—ceTka; A—
grid; A~	12	1,2-cathode; C—grid; A~
temperature, °C R — [1]	-10 C	Temnepatypa okpyxaiowen cpeae!, °C Ambient temperature, °C R —10to +55
temperature, °C R — [2]	55 C	Temnepatypa okpyxaiowen cpeae!, °C Ambient temperature, °C R —10to +55
currents [1]	3 mA	Hanpsxenun aHoga 3 kB, Tokax aHofa 3 kV, anode currents 6 and 10 A), mA/V . . . L. 22-32
currents [2]	3 mA	Hanpsxenun aHoga 3 kB, Tokax aHofa 3 kV, anode currents 6 and 10 A), mA/V . . . L. 22-32
currents [3]	6 mA	Hanpsxenun aHoga 3 kB, Tokax aHofa 3 kV, anode currents 6 and 10 A), mA/V . . . L. 22-32
currents [4]	10 mA	Hanpsxenun aHoga 3 kB, Tokax aHofa 3 kV, anode currents 6 and 10 A), mA/V . . . L. 22-32
currents [5]	22 mA	Hanpsxenun aHoga 3 kB, Tokax aHofa 3 kV, anode currents 6 and 10 A), mA/V . . . L. 22-32
currents [6]	-32 mA	Hanpsxenun aHoga 3 kB, Tokax aHofa 3 kV, anode currents 6 and 10 A), mA/V . . . L. 22-32
voltages [1]	6 V	6M10A),MAB 22-32 Gain coefficient (at anode voltages 3 and
voltages [2]	0 V	6M10A),MAB 22-32 Gain coefficient (at anode voltages 3 and
voltages [3]	22 V	6M10A),MAB 22-32 Gain coefficient (at anode voltages 3 and

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
voltages [4]	-32 V	6M10A),MAB 22-32 Gain coefficient (at anode voltages 3 and
voltages [5]	3 V	6M10A),MAB 22-32 Gain coefficient (at anode voltages 3 and
voltage [1]	34 A	aHoga3mn5kB, TokeaHoga6A) 3,4-5 Anode current (at anode voltage 4 kV), A 22-30
voltage [2]	-5 A	aHoga3mn5kB, TokeaHoga6A) 3,4-5 Anode current (at anode voltage 4 kV), A 22-30
voltage [3]	4 A	aHoga3mn5kB, TokeaHoga6A) 3,4-5 Anode current (at anode voltage 4 kV), A 22-30
voltage [4]	22 A	aHoga3mn5kB, TokeaHoga6A) 3,4-5 Anode current (at anode voltage 4 kV), A 22-30
voltage [5]	-30 A	aHoga3mn5kB, TokeaHoga6A) 3,4-5 Anode current (at anode voltage 4 kV), A 22-30
voltage [1]	4 kV	Tok aHoga (npu Hanpsxenwn aHofqa 4 kB), A 22-30 Negative cutoff voltage (at anode voltage 6 kV,
voltage [2]	22 kV	Tok aHoga (npu Hanpsxenwn aHofqa 4 kB), A 22-30 Negative cutoff voltage (at anode voltage 6 kV,
voltage [3]	-30 kV	Tok aHoga (npu Hanpsxenwn aHofqa 4 kB), A 22-30 Negative cutoff voltage (at anode voltage 6 kV,
voltage [4]	6 kV	Tok aHoga (npu Hanpsxenwn aHofqa 4 kB), A 22-30 Negative cutoff voltage (at anode voltage 6 kV,
current	1 A	Hanpsxenue sanupaHus oTpuljatensHoe anode current 1 A), absolut value,
cathode,atmost [1]	50	ceTka-katoa,Hebonee 50 grid-cathode,atmost 50
cathode,atmost [2]	50	ceTka-katoa,Hebonee 50 grid-cathode,atmost 50
grid,atmost [1]	6.5	anog-ceTka, Hebonee 6.5 anode-grid,atmost 6.5
grid,atmost [2]	6.5	anog-ceTka, Hebonee 6.5 anode-grid,atmost 6.5

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
cathode,atmost [1]	80	aHoa-kavog, Hebonee L L. L 80 anode-cathode,atmost 80
cathode,atmost [2]	80	aHoa-kavog, Hebonee L L. L 80 anode-cathode,atmost 80
voltage (ACorDC), V [1]	10.2 V	Filament voltage (ACorDC), V 10.2-10.8
voltage (ACorDC), V [2]	-10.8 V	Filament voltage (ACorDC), V 10.2-10.8
current, A	285 A	Hanpsbkenne Hakana (nepemeHHoe Filament startingcurrent, A 285
voltage (DC), kV [1]	102 kV	uaM noctosHHoe). B L L L oL 10,2-10,8 Anode voltage (DC), kV 6
voltage (DC), kV [2]	-108 kV	uaM noctosHHoe). B L L L oL 10,2-10,8 Anode voltage (DC), kV 6
voltage (DC), kV [3]	6 kV	uaM noctosHHoe). B L L L oL 10,2-10,8 Anode voltage (DC), kV 6
dissipation, kW L	35 kW	Hanpsixenue, kB Anode dissipation, kW L 35
Temperature at glass, stem and metal	6 C	aHoga (nocTosiHHOE) 6 Temperature at glass, stem and metal-
Anode Characteristic Curves	7	Averaged Anode Characteristic Curves: 7
Grid Characteristic Curves: U; = [1]	10.5	== A1 Averaged Grid Characteristic Curves: U; = 10.5V 4
Grid Characteristic Curves: U; = [2]	4	== A1 Averaged Grid Characteristic Curves: U; = 10.5V 4

TUBE TINKER

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