



ELECTRONIC TUBE REFERENCE

GM2B

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Russian forced-air-cooled power triode for electronic current and voltage regulator service in RF equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / —	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	5000 V
MAXIMUM PLATE DISSIPATION	3500 W
<i>Promoted-field audit performed from English ratings/characteristics; detailed electrical values retained in parameter table.</i>	

The GM-2B triode is used in electronic current and voltage regulators in RF equipment. It has a directly heated carbonized thoriated-tungsten cathode and forced-air cooling.

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
current and (¥ [1]	2 A	The 'M-2b triode is used in electronic current and (¥4 NA
current and (¥ [2]	4 A	The 'M-2b triode is used in electronic current and (¥4 NA
grid [1]	2.85	Mass: at most 2.85 kg. 1, 3 - cathode; 2, 4 — grid;
grid [2]	1	Mass: at most 2.85 kg. 1, 3 - cathode; 2, 4 — grid;
grid [3]	3	Mass: at most 2.85 kg. 1, 3 - cathode; 2, 4 — grid;
grid [4]	2	Mass: at most 2.85 kg. 1, 3 - cathode; 2, 4 — grid;
grid [5]	4	Mass: at most 2.85 kg. 1, 3 - cathode; 2, 4 — grid;
anode	4 uS	KpyTusHa xapakTepucTky (Npy HanpsbkerHum Mutual conductance (at anode voltage 4 kV, anode
voltages	4 V	KoadcbuupmeHT yeunenuvs (Npu HanpskeHnsx Gain coefficient (at anode voltages 4 and
Interelectrode capacitance, pF	6 pF	Me>xanekTpogHsie emkocTh, Nd, He 6ornee: Interelectrode capacitance, pF:
input,atmost	25	BXOAHAS ..o i ittt i it 25 input,atmost
output,atmost L	4	BbIXOQHAS ottt e 4 output,atmost L.
Mutual conductance over [1]	1000 uS	KpyTusHa xapakTepucTuku B Tedenne 1000 4 Mutual conductance over 1,000 h of service,
Mutual conductance over [2]	4 uS	KpyTusHa xapakTepucTuku B Tedenne 1000 4 Mutual conductance over 1,000 h of service,

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mutual conductance over [3]	1000 μS	KpyTusHa xapakTepucTiku B Tedenne 1000 4 Mutual conductance over 1,000 h of service,
dissipation3 [1]	5 kW	NPY MOLWHOCTH, paccenBaemon at anode dissipation3.5kW 5
dissipation3 [2]	5 kW	NPY MOLWHOCTH, paccenBaemon at anode dissipation3.5kW 5
anode dissipaton [1]	35	aHogoM,35kBT 5 at anode dissipaton 1kW 8
anode dissipaton [2]	5	aHogoM,35kBT 5 at anode dissipaton 1kW 8
anode dissipaton [3]	1	aHogoM,35kBT 5 at anode dissipaton 1kW 8
anode dissipaton [4]	8	aHogoM,35kBT 5 at anode dissipaton 1kW 8
current, A [1]	1 A	aHogom, 1kBT 8 Filament starting current, A 50
current, A [2]	8 A	aHogom, 1kBT 8 Filament starting current, A 50
current, A [3]	50 A	aHogom, 1kBT 8 Filament starting current, A 50
Dissipation, W	500 W	Hanpsxennecetkn, B =500 Dissipation, W:
anode [1]	50	lMyckoBon TOK Hakana, A 50 anode ... 3.5-10*
anode [2]	3.5	lMyckoBon TOK Hakana, A 50 anode ... 3.5-10*
anode [3]	-10	lMyckoBon TOK Hakana, A 50 anode ... 3.5-10*
grid	50	Paccevsasemas MOWHOCThL, BT: grid .. 50

TUBE TINKER

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and their source documents.

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