



ELECTRONIC TUBE REFERENCE

GMI34B

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Russian high-current pulse-switching triode designed as the power switch in RF pulse modulators and related pulsed-power equipment.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	40000 V
MAXIMUM CATHODE CURRENT	120 A
<i>Promoted-field audit performed from English ratings/characteristics; detailed electrical values retained in parameter table.</i>	

The GMI-34B triode is used for pulse power switching in RF equipment. It has a metal-ceramic envelope and air cooling.



SOURCE PDF

Published test conditions and operating points. Values on this page are preserved as reported by this source.

Section 1 · Triode

TUBE TINKER · GMI34B

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
voltage, absolute value, V	1 V	Tok ceTkn B umnynece, A, Hebonee 0,1 Negative cutoff voltage, absolute value, V,
Interelectrode capacitance, pF	300 pF	Bpems roTOBHOTH, C, He bonee 300 Interelectrode capacitance, pF:
input [1]	6	MexanekTpogHble eMkocTu, nd, He 6onee: input ... 450
input [2]	450	MexanekTpogHble eMkocTu, nd, He 6onee: input ... 450
output [1]	450	BXOAHAS . . totiiie ittt 450 output 40
output [2]	40	BXOAHAS . . totiiie ittt 450 output 40
voltage (ACorDC),V [1]	247 V	HanpsxeHue Hakana (~uwnu =),B 24,7-27,3 Heater voltage (ACorDC),V 24.7-27.3
voltage (ACorDC),V [2]	-273 V	HanpsxeHue Hakana (~uwnu =),B 24,7-27,3 Heater voltage (ACorDC),V 24.7-27.3
voltage (ACorDC),V [3]	24.7 V	HanpsxeHue Hakana (~uwnu =),B 24,7-27,3 Heater voltage (ACorDC),V 24.7-27.3
voltage (ACorDC),V [4]	-27.3 V	HanpsxeHue Hakana (~uwnu =),B 24,7-27,3 Heater voltage (ACorDC),V 24.7-27.3
voltage, kV o [1]	40 kV	 40 Anode voltage, kV o 40
voltage, kV o [2]	40 kV	 40 Anode voltage, kV o 40
grid voitage, absolute value, V [1]	250	OTpuuaTensHoe HanpsXeHne CeTKn Negative peak grid voitage, absolute value, V 250- 300
grid voitage, absolute value, V [2]	-300	OTpuuaTensHoe HanpsXeHne CeTKn Negative peak grid voitage, absolute value, V 250- 300
BuMnynece, KB [1]	19	BuMnynece, KB 1,9 at 1/duty factoratleast500 150
BuMnynece, KB [2]	1	BuMnynece, KB 1,9 at 1/duty factoratleast500 150
BuMnynece, KB [3]	0	BuMnynece, KB 1,9 at 1/duty factoratleast500 150
BuMnynece, KB [4]	150	BuMnynece, KB 1,9 at 1/duty factoratleast500 150

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Haunbonblumin TOK KaToAaa B UMnynece, A: at [1]	1	Haunbonblumin TOK KaToAaa B UMnynece, A: at 1/duty factor atleast1,000 200
Haunbonblumin TOK KaToAaa B UMnynece, A: at [2]	0	Haunbonblumin TOK KaToAaa B UMnynece, A: at 1/duty factor atleast1,000 200
Haunbonblumin TOK KaToAaa B UMnynece, A: at [3]	200	Haunbonblumin TOK KaToAaa B UMnynece, A: at 1/duty factor atleast1,000 200
Dissipation, W [1]	1000 W	NPU CKBaXKHOCY He MeHee 1000 200 Dissipation, W:
Dissipation, W [2]	200 W	NPU CKBaXKHOCY He MeHee 1000 200 Dissipation, W:
grid	80	Pacceusaemas HanbonbLLaA MOWHOCTb, BT: grid ... 80
pulse duration, s [1]	3 s	AHOMOM .« . ooeee e e e e 3-10° Maximum pulse duration, s 50
pulse duration, s [2]	-10 s	AHOMOM .« . ooeee e e e e 3-10° Maximum pulse duration, s 50
pulse duration, s [3]	50 s	AHOMOM .« . ooeee e e e e 3-10° Maximum pulse duration, s 50
anode Uprimpy	2 V	_ — — — bias voltage Ugs _ _ — _ grid 2-anode Uprimpy