

G433

Russian Tube

Triode

Rf Oscillation

Oscillation

Specifications	
Name	Value
Cathode Type	Tungsten, Direct Heating
Envelope	Metal-Glass
Mass	14kg
Cooling Method	Forced Water
Dimensions	1160mmx315mm
Output Power	60kW
Filament Voltage	33V
Filament Current	210A
Filament Current Minimum	195A
Filament Current Maximum	225A
Maximum Anode Voltage	40kV

G807

Russian Tube

Beam Tetrode

oscillation and power amplification up to 60MHz

Oscillation, Amplification

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass With Base
Mass	100g
Cooling Method	Air
Dimensions	146mmx53mm
Output Power	25W
Maximum Operating Frequency	60MHz
Filament Voltage	6.3V
Filament Current	0.9A
Filament Current Minimum	0.81A
Filament Current Maximum	0.99A
Normal Anode Voltage	600V
Maximum Anode Voltage	600V

G811

Russian Tube

Triode

Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass With Base
Mass	100 g
Cooling Method	Air
Dimensions	167mmx62mm
Output Power	40 W
Gain Coefficient	144 to 176
Maximum Operating Frequency	110 MHz
Filament Voltage	6.3 V
Filament Current	4A
Filament Current Minimum	3.75A
Filament Current Maximum	4.25A
Maximum Anode Voltage	5 kV

GI11B

Russian Tube

Pulse Triode

Oscillation Uhf In Self-Sustained Generator With No External Feedback In Continuous Mode And Pulse Mo

Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	120g
Cooling Method	Forced Air
Dimensions	88.5mmx45mm
Output Power	80W
Maximum Operating Frequency	14cm
Filament Voltage	12.6V
Filament Current	0.815A
Filament Current Minimum	0.75A
Filament Current Maximum	0.88A
Normal Anode Voltage	400V
Maximum Anode Voltage	0.8kV/2kV in pulse
Mutual Conductance	8 to 12mA/V

GI12B

Russian Tube

Pulse Triode

Oscillation And Amplification Rf In Uhf Band In Continuous And Pulse Anode Modulation Mode

Amplification, Oscillation

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal-Ceramic
Mass		120g
Cooling Method		Forced Air
Dimensions		88.5mmx45mm
Output Power		80W
Maximum Operating Frequency		9cm
Filament Voltage		12.6V
Filament Current		0.815A
Filament Current Minimum		0.75A
Filament Current Maximum		0.88A
Normal Anode Voltage		400V
Maximum Anode Voltage		0.8kV/2kV in pulse
Mutual Conductance		8 to 12mA/V

GI130M

Russian Tube

Pulse Triode

Oscillation Uhf On Continuous And Pulse Anode Manipulation Mode

Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	60g
Cooling Method	Forced Air
Dimensions	63.7mmx26.3mm
Output Power	20W/110W in pulse
Maximum Operating Frequency	9cm
Filament Voltage	12.6V
Filament Current	0.65+0.05A
Maximum Anode Voltage	0.9kV
Mutual Conductance	50+15mA/V

GI13BM

Russian Tube

Pulse Triode

Oscillation Uhf In Continuous Mode And Pulse Mode With Anode Modulation
Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	120g
Cooling Method	Forced Air
Dimensions	88.5mmx45mm
Output Power	110W
Maximum Operating Frequency	9cm
Filament Voltage	12.6V
Filament Current	0.65A
Filament Current Minimum	0.6A
Filament Current Maximum	0.7A
Normal Anode Voltage	400V
Maximum Anode Voltage	1kV/4kV in pulse
Mutual Conductance	8 to 12mA/V

GI14B

Russian Tube

Pulse Triode

Oscillation Uhf In Pulse Mode With Anode Modulation

Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	1.5kg
Cooling Method	Forced Air
Dimensions	141mmx100.2mm
Output Power	500W/100kW in pulse
Maximum Operating Frequency	30cm
Filament Voltage	12.6V
Filament Current	3.5A
Filament Current Minimum	3A
Filament Current Maximum	3.9A
Normal Anode Voltage	2kV
Maximum Anode Voltage	21kV
Mutual Conductance	27 to 37mA/V

GI150

Russian Tube

Pulse Triode

Oscillation In Pulse And Continuous Mode

Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	60g
Cooling Method	Forced Air
Dimensions	63.7mmx26.3mm
Output Power	3W/100W in pulse
Maximum Operating Frequency	7cm
Filament Voltage	12.6V
Filament Current	0.815+0.065A
Normal Anode Voltage	0.4kV
Maximum Anode Voltage	0.8kV/4kV in pulse
Mutual Conductance	10+2mA/V

GI15B

Russian Tube

Pulse Triode

Oscillation In Pulse And Continuous Mode

Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	120g
Cooling Method	Forced Air
Dimensions	88.5mmx45mm
Output Power	3W/100W in pulse
Maximum Operating Frequency	7cm
Filament Voltage	12.6V
Filament Current	0.815A
Filament Current Minimum	0.75A
Filament Current Maximum	0.88A
Normal Anode Voltage	400V
Maximum Anode Voltage	0.8kW/4kW in pulse
Mutual Conductance	8 to 12mA/V

GI16B

Russian Tube

Pulse Tetrod

Rf Oscillation And Amplification

Oscillation, Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	6kg
Cooling Method	Forced Air
Dimensions	321mmx140mm
Output Power	2.5kW/60kW in pulse
Filament Voltage	8.3V
Filament Current	102A
Filament Current Minimum	97A
Filament Current Maximum	107A
Maximum Anode Voltage	13.2kV

GI17

Russian Tube

Pulse Triode

Oscillation Of Hf Energy Pulses

Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Glass
Mass	250g
Cooling Method	Forced Air
Dimensions	184.5mmx51mm
Output Power	150W/100kW in pulse
Maximum Operating Frequency	500MHz
Filament Voltage	6.3V
Filament Current	7.5A
Filament Current Minimum	7A
Filament Current Maximum	8A
Maximum Anode Voltage	9kV in pulse
Mutual Conductance	9mA/V

GI18B

Russian Tube

Pulse Triode

oscillation and aplification UHF on pulse mode up to 160kHz

Oscillation, Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	31kg
Cooling Method	Forced Air
Dimensions	900mmx280mm
Output Power	6kW
Maximum Operating Frequency	160kHz
Filament Voltage	12.5V
Filament Current	195A
Filament Current Minimum	175A
Filament Current Maximum	215A
Normal Anode Voltage	16.5kV
Maximum Anode Voltage	16.5kV
Mutual Conductance	20 to 30mA/V
Pulse Duration	300uS

GI18BM

Russian Tube

Pulse Triode

oscillation and aplification UHF on pulse mode up to 160kHz

Oscillation, Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	35kg
Cooling Method	Forced Air
Dimensions	560mmx260mm
Output Power	6kW/300kW in pulse
Maximum Operating Frequency	160kHz
Filament Voltage	12.5V
Filament Current	200A
Filament Current Minimum	185A
Filament Current Maximum	215A
Maximum Anode Voltage	16.5kV
Mutual Conductance	20 to 30 mA/V

GI19B

Russian Tube

Pulse Triode

Oscillation Rf In Common Grid Cofiguration In Self-Sustained Mode And
Pulse Anode Manipulation

Oscillation

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal-Glass
Mass		2.5kG
Cooling Method		Forced Air
Dimensions		220mmx100mm
Output Power		1kW/230kW in pulse
Maximum Operating Frequency		Metric Band
Filament Voltage		7.3V
Filament Current		20A
Filament Current Minimum		17A
Filament Current Maximum		23A
Maximum Anode Voltage		14kV
Mutual Conductance		21 to 33mA/V

GI210

Russian Tube

Pulse Triode

Oscillation Uhf On Continuous And Pulse Anode Modulation Mode
Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	60g
Cooling Method	Forced Air
Dimensions	63.7mmx26.3mm
Output Power	25W/4kW in pulse
Maximum Operating Frequency	10cm
Filament Voltage	12.6V
Filament Current	0.88+0.05A
Normal Anode Voltage	0.6kV
Maximum Anode Voltage	0.8kV/5kV in pulse
Mutual Conductance	28.5+5.5mA/V

GI21B

Russian Tube

Pulse Triode

Oscillation And Amplification Rf In Uhf Band In Continuous And Pulse Anode Modulation Mode

Oscillation, Amplification

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	120g
Cooling Method	Forced Air
Dimensions	88mmx57.5mm
Output Power	110W
Maximum Operating Frequency	9.5cm
Filament Voltage	12.6V
Filament Current	0.88A
Filament Current Minimum	0.83A
Filament Current Maximum	0.93A
Normal Anode Voltage	0.6kV
Maximum Anode Voltage	0.8kV/5kV in pulse
Mutual Conductance	23 to 31mA/V

GI22

Russian Tube

Pulse Triode

oscillation UHF power up to 375W in anode manipulation and up to 200W in grid manipulation mode and

Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	11g
Cooling Method	Forced Air
Dimensions	31.3mmx23.4mm
Output Power	375W
Maximum Operating Frequency	5000MHz
Filament Voltage	6.3V
Filament Current	0.57+0.04A
Normal Anode Voltage	1.6kV
Maximum Anode Voltage	2kV
Normal Grid Voltage	minus50V
Mutual Conductance	18+9-3mA/V

GI23

Russian Tube

Pulse Triode

Oscillation And Amplificaton Rf On Pulse Mode And Anode Modulation In Uhf Band

Oscillation, Amplification

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal-Ceramic
Mass		380g
Cooling Method		Forced Air
Dimensions		113mmx65mm
Output Power		300W/40kW in pulse
Maximum Operating Frequency		28cm
Filament Voltage		12.6V
Filament Current		2.5A
Filament Current Minimum		2.3A
Filament Current Maximum		2.6A
Normal Anode Voltage		1.3kV
Maximum Anode Voltage		1.3kV/14kV in pulse
Mutual Conductance		31+5mA/V

GI24A

Russian Tube

Pulse Triode

Power amplification on pulse manipulation mode on 170MHz band in special equipment

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	10kg
Cooling Method	Forced Water
Dimensions	387mmx210mm
Output Power	25kW/1000kW in pulse
Maximum Operating Frequency	170MHz
Filament Voltage	6.3V
Filament Current	425A
Filament Current Minimum	385A
Filament Current Maximum	465A
Maximum Anode Voltage	27kV
Mutual Conductance	20mA/V

GI25

Russian Tube

Pulse Triode

oscillation of UHF on pulse anode or grid manipulation mode with output power up to 900W and freq/up

Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	25g
Cooling Method	Forced Air
Dimensions	37mmx25.5mm
Output Power	1200W
Maximum Operating Frequency	5400MHz
Filament Voltage	6.3V
Filament Current	0.975A
Filament Current Minimum	0.94A
Filament Current Maximum	1.01A
Normal Anode Voltage	Aman-2.8kV, Gman-1.3
Maximum Anode Voltage	3kV in pulse
Normal Grid Voltage	minus60V
Mutual Conductance	24+6mA/V

GI26A

Russian Tube

Pulse Triode

Power Amplification On Pulse Anode Manipulation Mode

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	13kg
Cooling Method	Forced Water
Dimensions	530mmx182mm
Output Power	60kW/11MW in pulse
Gain Coefficient	28 to 38
Maximum Operating Frequency	25MHz
Filament Voltage	12.6V
Filament Current	560A
Filament Current Minimum	530A
Filament Current Maximum	590A
Maximum Anode Voltage	30kV
Mutual Conductance	85 to 110mA/V

GI26B

Russian Tube

Pulse Triode

Power Amplification On Pulse Anode Manipulation Mode

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	21kg
Cooling Method	Forced Air
Dimensions	530mmx205mm
Output Power	20kW/3MW in pulse
Gain Coefficient	28 to 38
Maximum Operating Frequency	25MHz
Filament Voltage	12.6V
Filament Current	560A
Filament Current Minimum	530A
Filament Current Maximum	590A
Maximum Anode Voltage	30kV
Mutual Conductance	85 to 110mA/V

GI27A

Russian Tube

Pulse Triode

Rf Oscillation In Self-Sustaining Mode And Amlification In Pulse Anode Manipulation

Oscillation, Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	9.5kg
Cooling Method	Forced Water
Dimensions	362mmx168mm
Output Power	25kW/4MW in pulse
Gain Coefficient	20 to 30
Maximum Operating Frequency	150MHz
Filament Voltage	14V
Filament Current	520A
Filament Current Minimum	480A
Filament Current Maximum	560A
Maximum Anode Voltage	40kV
Mutual Conductance	70 to100mA/V

GI27A1

Russian Tube

Pulse Triode

Rf Oscillation In Self-Sustaining Mode And Amlification In Pulse Anode Manipulation

Oscillation, Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Ceramic
Mass	11kg
Cooling Method	Forced Water
Dimensions	340mmx166mm
Output Power	25kW/5MW in pulse
Gain Coefficient	28 to 42
Maximum Operating Frequency	150MHz
Filament Voltage	13V
Filament Current	500A
Filament Current Minimum	470A
Filament Current Maximum	530A
Maximum Anode Voltage	40kV
Mutual Conductance	75 to 105mA/v

GI2A

Russian Tube

Pulse Beam Tetrode

Pulse Amplification In Circuit With Accumulative Capacitor In Anode Amplification

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass
Mass	8.5kg
Cooling Method	Forced Water
Dimensions	460mmx410mm
Filament Voltage	17V
Filament Current	63A
Filament Current Minimum	57A
Filament Current Maximum	69A
Maximum Anode Voltage	66kV
Pulse Duration	0.5uS

6X4

Russian Tube Pulse Triode Oscillation

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Glass With Base
Mass		40g
Cooling Method		Air
Dimensions		88mmx57.5mm
Output Power		10W
Gain Coefficient		16.25+1.25
Maximum Operating Frequency		300MHz
Filament Voltage		6.3V
Filament Current		1.1A
Filament Current Minimum		1A
Filament Current Maximum		1.2A
Normal Anode Voltage		0.4kV
Maximum Anode Voltage		2.8kV
Normal Grid Voltage		minus15V
Mutual Conductance		2.2+0.5mA/V

GI30

Russian Tube

Double Pulse Beam Tetrode

For Application In Pulse Equipment For Special Purposes

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Glass
Mass		125g
Cooling Method		Air
Dimensions		110mmx61mm
Filament Voltage		12.6V
Filament Current		1.1A
Filament Current Minimum		1A
Filament Current Maximum		1.25A
Maximum Anode Voltage		5kV

GI31

Russian Tube

Pulse Triode

oscillation RF with output power up to 1,5kW in pulse and freq/ up to 2100MHz

Oscillation

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metall-Ceramic
Mass		18g
Cooling Method		Air
Dimensions		34mm x 25.5mm
Output Power		12W/1.5kW in pulse
Maximum Operating Frequency		2100MHz
Filament Voltage		6.3V
Filament Current		0.95A
Filament Current Minimum		0.9A
Filament Current Maximum		1A
Normal Anode Voltage		2.5kV
Maximum Anode Voltage		2.8kV
Mutual Conductance		15mA/V

GI31R

Russian Tube

Pulse Triode

Oscillation In Vhf And Uhf Band On Anode Pulse Manipulation

Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Titanium-Ceramic
Mass	18g
Cooling Method	Forced Air
Dimensions	34mm x 25.5mm
Output Power	12W/1.2kW in pulse
Maximum Operating Frequency	7cm
Filament Voltage	6.3V
Filament Current	0.95A
Filament Current Minimum	0.9A
Filament Current Maximum	1A
Normal Anode Voltage	0.35kV
Maximum Anode Voltage	2.8kV
Mutual Conductance	15mA/V

GI33

Russian Tube

Pulse Beam Tetrode

Ampilfication Of Power And Freq.Multiplication In Uhf Band In Special Equipment

Amplification, Multiplication

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	2.2kG
Cooling Method	Forced Air
Dimensions	150mmx90mm
Output Power	0.7kW/4kW in pulse
Gain Coefficient	8
Maximum Operating Frequency	650MHz
Filament Voltage	26V
Filament Current	3.5A
Filament Current Minimum	3.2A
Filament Current Maximum	3.8A
Normal Anode Voltage	1kV
Maximum Anode Voltage	5kV
Mutual Conductance	25 to 45mA/V

GI34A

Russian Tube

Pulse Tetrod

Low Frequency Power Amplification In Pulse Mode
Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	6.5kg
Cooling Method	Forced Water
Dimensions	370mmx180mm
Output Power	100kW
Maximum Operating Frequency	100kHz
Filament Voltage	7.5V
Filament Current	250A
Filament Current Minimum	235A
Filament Current Maximum	265A
Normal Anode Voltage	2kV
Maximum Anode Voltage	12kV
Mutual Conductance	32 to 48mA/V

GI35B

Russian Tube

Pulse Triode

Rf Power Amplification In Special Equipment

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Ceramic
Mass	9kg
Cooling Method	Forced Air
Dimensions	335mmx166mm
Output Power	5kW/225kW in pulse
Gain Coefficient	25 to 35
Maximum Operating Frequency	200MHz
Filament Voltage	7.4V
Filament Current	182.5A
Filament Current Minimum	165A
Filament Current Maximum	200A
Maximum Anode Voltage	14kV
Mutual Conductance	50to 70mA/V

GI36

Russian Tube

Pulse Beam Tetrode

For Application In Pulse Equipment For Special Purposes
Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass
Mass	250g
Cooling Method	Air
Dimensions	110mm x 67mm
Output Power	25W/3kW in pulse
Filament Voltage	12.6V
Filament Current	5.1A
Filament Current Minimum	4.5A
Filament Current Maximum	5.7A
Maximum Anode Voltage	2.2kV

GI37A

Russian Tube

Pulse Tetrod

Oscillation And Rf Power Amplification In Anode Manipulation Mode

Oscillation, Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metall-Ceramic
Mass	4.5kg
Cooling Method	Forced Water
Dimensions	224mmx140mm
Output Power	4kW/100kW in pulse
Gain Coefficient	70 to 100
Maximum Operating Frequency	500MHz
Filament Voltage	6.3V
Filament Current	200A
Filament Current Minimum	185A
Filament Current Maximum	215A
Maximum Anode Voltage	15kV
Mutual Conductance	55 to 75mA/V

GI38B

Russian Tube

Pulse Triode

wide-band power amlification in anode manipulation and common grid configuration up to 200MHz in spe

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	3.7kg
Cooling Method	Forced Air
Dimensions	269mmx120mm
Output Power	3kW/45kW in pulse
Gain Coefficient	38 to 50
Maximum Operating Frequency	200MHz
Filament Voltage	6.3V
Filament Current	69A
Filament Current Minimum	63A
Filament Current Maximum	75A
Maximum Anode Voltage	10kV
Mutual Conductance	35 to 45mA/V

GI39

Russian Tube

Pulse Triode

Oscillation And Amplificaton Rf On Pulse Mode And Anode Manipulation

Oscillation, Amplification

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metall-Ceramic
Mass	1.2kG
Cooling Method	Forced Air
Dimensions	147mmx100mm
Output Power	440W/128kW in pulse
Maximum Operating Frequency	25cm
Filament Voltage	12.6V
Filament Current	3.7A
Filament Current Minimum	3.4A
Filament Current Maximum	3.9A
Normal Anode Voltage	2kV
Maximum Anode Voltage	20kV
Mutual Conductance	27 to 36mA/V

GI40A

Russian Tube

Pulse Triode

oscillation and amplifcaton RF up to 50MHz

Oscillation, Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	25kg
Cooling Method	Forced Water
Dimensions	664mmx245mm
Output Power	10MW
Maximum Operating Frequency	50MHz
Filament Voltage	28V
Filament Current	945A
Filament Current Minimum	900A
Filament Current Maximum	990A
Maximum Anode Voltage	30kV
Mutual Conductance	700mA/V

GI41

Russian Tube

Pulse Triode

oscillation UHF power up to 1,5kW in pulse and frequency up to 3000MHz in anode manipulation mode

Oscillation, Amplification

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal-Ceramic
Mass		36g
Cooling Method		Air
Dimensions		44mmx25.5vv
Output Power		40W/1.5kW in pulse
Maximum Operating Frequency		3000MHz
Filament Voltage		6.3V
Filament Current		1.3A
Filament Current Minimum		1.2A
Filament Current Maximum		1.4A
Maximum Anode Voltage		3kV
Mutual Conductance		23mA/V

GI411

Russian Tube

Pulse Triode

oscillation and amlification in 1400-3000MHz band in pulse low-porosity mode in common grid configur

Oscillation, Amplification

Specifications	
Name	Value
Cathode Type	Oxide, Sponged-Metall, Indirect Heating
Envelope	Titanium-Ceramic
Mass	30g
Cooling Method	Air
Dimensions	44mmx25.5vv
Output Power	40W/2kW in pulse
Maximum Operating Frequency	18cm
Filament Voltage	6.3V
Filament Current	1.4A
Filament Current Minimum	1.3A
Filament Current Maximum	1.5A
Maximum Anode Voltage	2.4kV/3.2 in pulse
Mutual Conductance	23mA/V

GI42B

Russian Tube

Pulse Triode

Rf Power Amlification In Stationery Special Equipment

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metall-Ceramic
Mass	30kg
Cooling Method	Forced Air
Dimensions	440mmx230mm
Output Power	18kW/3.5MW in pulse
Maximum Operating Frequency	200MHz
Filament Voltage	14V
Filament Current	520A
Filament Current Minimum	480A
Filament Current Maximum	560A
Maximum Anode Voltage	35kV
Mutual Conductance	70 to 100mA/V

GI43A

Russian Tube

Pulse Tetrod

Oscillation And Power Amplification In Anode Manipulation Mode

Oscillation, Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metall-Ceramic
Mass	11kg
Cooling Method	Forced Water
Dimensions	288mmx204mm
Output Power	15kW/500kW in pulse
Maximum Operating Frequency	500MHz
Filament Voltage	7.5V
Filament Current	390A
Filament Current Minimum	360A
Filament Current Maximum	420A
Maximum Anode Voltage	25kV
Mutual Conductance	90 to 130mA/V

GI45

Russian Tube

Triode

For Application In Self-Sustaining Generator On Continuous And Pulse Oscillation Mode And In Uhf Ampl

Oscillation

Specifications		
Name		Value
Cathode Type		Liquid, Indirect Heating
Envelope		Metal-Ceramic
Mass		10g
Cooling Method		Air
Dimensions		28.7mmx15.4mm
Output Power		3W/10W in pulse
Maximum Operating Frequency		3.2cm
Filament Voltage		6.3V
Filament Current		0.315A
Filament Current Minimum		0.29A
Filament Current Maximum		0.34A
Normal Anode Voltage		250V
Maximum Anode Voltage		0.3kV
Mutual Conductance		8mA/V

GI46

Russian Tube

Pulse Triode

Oscillation And Amplification Rf In Uhf Band In Pulse And Continuous Anode Manipulation Mode

Oscillation, Amplification

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metall-Ceramic
Mass		620g
Cooling Method		Forced Air
Dimensions		113mmx55mm
Output Power		350W/15kW in pulse
Maximum Operating Frequency		28cm
Filament Voltage		12.6V
Filament Current		2.5A
Filament Current Minimum		2.3A
Filament Current Maximum		2.6A
Normal Anode Voltage		2kV
Maximum Anode Voltage		1.9kV
Mutual Conductance		17 to 26mA/V

GI47A

Russian Tube

Pulse Tetrod

Rf Power Amplification In Continuous And Pulse Mode /Anode Or Grid Manipulation In Special Equipment

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass-Ceramic
Mass	10kg
Cooling Method	Forced Water
Dimensions	375mmx180mm
Output Power	30kW/70kW in pulse
Maximum Operating Frequency	100kHz
Filament Voltage	7.5V
Filament Current	280A
Filament Current Minimum	260A
Filament Current Maximum	300A
Normal Anode Voltage	2kV
Maximum Anode Voltage	12kV
Mutual Conductance	32 to 42mA/V

GI48

Russian Tube

Triode

Oscillation And Amplificaton Rf Power In Special Equipment

Oscillation, Amplification

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metall-Ceramic
Mass	19g
Cooling Method	Forced Air
Dimensions	34mm x 23mm
Output Power	15W/1kW in pulse
Gain Coefficient	30+10
Maximum Operating Frequency	900MHz
Filament Voltage	6.3V
Filament Current	0.415A
Filament Current Minimum	0.36A
Filament Current Maximum	0.47A
Maximum Anode Voltage	2kV
Mutual Conductance	10+3.5-2.5mA/V

GI49B

Russian Tube

Pulse Triode

Oscillation And Amplification Rf In Uhf Band In Pulse And Continuous Mode
Oscillation, Amplification

Specifications	
Name	Value
Cathode Type	Oxide, Sponged-Metall, Indirect Heating
Envelope	Metal-Ceramic
Mass	150g
Cooling Method	Forced Air
Dimensions	74mmx40mm or 65mmx20mm
Output Power	75W/
Maximum Operating Frequency	10cm
Filament Voltage	12.6V
Filament Current	0.96A
Filament Current Minimum	0.88A
Filament Current Maximum	1.04A
Maximum Anode Voltage	2.4kV/4kV in pulse
Mutual Conductance	15mA/V

GI50A

Russian Tube

Pulse Triode

wide-band power amlification up to 2MW in pulse up to 170MHz in special equipment

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metall-Ceramic
Mass	18kg
Cooling Method	Forced Water
Dimensions	420mmx210mm
Output Power	40kW/2MW in pulse
Gain Coefficient	30 to 42
Maximum Operating Frequency	170MHz
Filament Voltage	13V
Filament Current	520A
Filament Current Minimum	480A
Filament Current Maximum	560A
Maximum Anode Voltage	32kV
Mutual Conductance	65 to 85 mA/V

GI51A

Russian Tube

Pulse Tetrod

Rf Power Amplification In Anode Manipulation Mode In Stationery Equipment Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Ceramic
Mass	25kg
Cooling Method	Forced Water
Dimensions	315mmx260mm
Output Power	30kW/300kW in pulse
Maximum Operating Frequency	500MHz
Filament Voltage	1.6V
Filament Current	2150A
Filament Current Minimum	2000A
Filament Current Maximum	2300A
Maximum Anode Voltage	35kV
Mutual Conductance	100 to 200mA/V

GI52A

Russian Tube

Pulse Triode

Rf Power Amplification In Anode Manipulation Mode In Stationery Equipment Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Ceramic
Mass	65kg
Cooling Method	Forced Water
Dimensions	455mmx255mm
Output Power	400kW/5MW in pulse
Gain Coefficient	100
Maximum Operating Frequency	500MHz
Filament Voltage	5V
Filament Current	4300A
Filament Current Minimum	4100A
Filament Current Maximum	4500A
Maximum Anode Voltage	41kV
Mutual Conductance	1000mA/V

GI53

Russian Tube

Pulse Triode

Oscillation Of Uhf In Common Grid Configuration

Oscillation

Specifications		
Name		Value
Cathode Type		Oxide, Direct Heating
Envelope		Metal-Ceramic
Mass		25g
Cooling Method		Forced Air
Dimensions		50mmx23mm
Output Power		6W/800W in pulse
Gain Coefficient		30+10
Maximum Operating Frequency		15cm
Filament Voltage		1.8V
Filament Current		2.3A
Filament Current Minimum		1.5A
Filament Current Maximum		3A
Normal Anode Voltage		150V
Maximum Anode Voltage		1.6kV
Normal Grid Voltage		-3V
Mutual Conductance		4+2-1.5mA/V

GI56A

Russian Tube

Pulse Triode

Oscillation And Amplification Rf Power In Stationery Equipment

Oscillation, Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metall-Ceramic
Cooling Method	Forced Water
Dimensions	930mmx310mm
Output Power	100kW/25MW in pulse
Gain Coefficient	38+8
Maximum Operating Frequency	30MHz
Filament Voltage	34V
Filament Current	1150A
Filament Current Minimum	1050A
Filament Current Maximum	1250A
Maximum Anode Voltage	40kV
Mutual Conductance	100mA/B

GI57A

Russian Tube

Pulse Triode

RF power amplification up to 300kW in special equipment

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Ceramic
Mass	20kg
Cooling Method	Forced Water
Dimensions	380mmx226mm
Output Power	16kW/300kW in pulse
Gain Coefficient	150 to 260
Maximum Operating Frequency	50MHz
Filament Voltage	1.8V
Filament Current	2150A
Filament Current Minimum	1950A
Filament Current Maximum	2350A
Maximum Anode Voltage	28kV
Mutual Conductance	160 to 270mA/V

GI58A

Russian Tube

Pulse Tetrod

RF power amplification up to 12kW in pulse in special equipment

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Ceramic
Mass	3kg
Cooling Method	Forced Water
Dimensions	215mmx85mm
Output Power	1.6kW/12kW in pulse
Gain Coefficient	16 to 36
Maximum Operating Frequency	150MHz
Filament Voltage	4V
Filament Current	114A
Filament Current Minimum	103A
Filament Current Maximum	125A
Maximum Anode Voltage	11kV
Mutual Conductance	30 to 75 mA/V

GI5B

Russian Tube

Pulse Triode

Oscillation Of Uhf In Common Grid Configuration In Self-Sustaining Generator With Pulse Anode Manipu

Oscillation

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	12kg
Cooling Method	Forced Air
Dimensions	450mmx180mm
Output Power	6kW/1200kW in pulse
Gain Coefficient	20 to 40
Maximum Operating Frequency	200MHz
Filament Voltage	6.3V
Filament Current	425A
Filament Current Minimum	385A
Filament Current Maximum	465A
Maximum Anode Voltage	27kV
Mutual Conductance	20 to 30mA/V

GI63B

Russian Tube

Pulse Triode

wide-band power amplification in anode manipulation mode up to 2,3kW up to 250MHz

Amplification

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	0.4kg
Cooling Method	Forced Air
Dimensions	72mmx60mm
Output Power	250W/2.3kW in pulse
Maximum Operating Frequency	250MHz
Filament Current	5A
Filament Current Minimum	4A
Filament Current Maximum	5.9A
Maximum Anode Voltage	3kV
Mutual Conductance	20 to 60mA/V

GI6B

Russian Tube

Pulse Triode

Oscillation Uhf In Continuous Mode And Pulse Mode With Anode Modulation
Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	330g
Cooling Method	Forced Air
Dimensions	110.5mmx65mm
Output Power	350W
Maximum Operating Frequency	18cm
Filament Voltage	12.6V
Filament Current	1.9A
Filament Current Minimum	1.8A
Filament Current Maximum	2.05A
Maximum Anode Voltage	2.5kV/5kV in peak
Mutual Conductance	18 to 26mA/V

GI70B

Russian Tube

Pulse Triode

Oscillation Uhf In Continuous Mode And Pulse Mode With Anode Modulation
In Special Equipment

Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	170g
Cooling Method	Forced Air
Dimensions	97mmx36.3mm
Output Power	350W/11kW in pulse
Maximum Operating Frequency	18cm
Filament Voltage	12.6V
Filament Current	1.9A
Filament Current Minimum	1.8A
Filament Current Maximum	2.05A
Normal Anode Voltage	1.3kV
Maximum Anode Voltage	2.5kV/9kV in pulse
Mutual Conductance	20 to 26mA/V

GI70BT

Russian Tube

Pulse Triode

Oscillation Uhf In Continuous Mode And Pulse Mode With Anode Modulation
In Special Equipment

Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	170g
Cooling Method	Forced Air
Dimensions	97mmx36.3mm
Output Power	350W/11kW in pulse
Maximum Operating Frequency	18cm
Filament Voltage	12.6V
Filament Current	1.9A
Filament Current Minimum	1.8A
Filament Current Maximum	2.05A
Normal Anode Voltage	1.3kV
Maximum Anode Voltage	2.5kV/9kV in pulse
Mutual Conductance	20 to 26mA/V

GI7B

Russian Tube

Pulse Triode

Oscillation Uhf In Continuous Mode And Pulse Mode With Anode Modulation
In Special Equipment

Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	330g
Cooling Method	Forced Air
Dimensions	110.5mmx65mm
Output Power	350W/11kW in pulse
Maximum Operating Frequency	18cm
Filament Voltage	12.6V
Filament Current	1.9A
Filament Current Minimum	1.8A
Filament Current Maximum	2.05A
Normal Anode Voltage	1.3kV
Maximum Anode Voltage	2.5kV/9kV in pulse
Mutual Conductance	19 to 26mA/V

GI7BT

Russian Tube

Pulse Triode

Oscillation Uhf In Continuous Mode And Pulse Mode With Anode Modulation
In Special Equipment

Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	330g
Cooling Method	Forced Air
Dimensions	110.5mmx65mm
Output Power	350W/11kW in pulse
Maximum Operating Frequency	18cm
Filament Voltage	12.6V
Filament Current	1.9A
Filament Current Minimum	1.8A
Filament Current Maximum	2.05A
Normal Anode Voltage	1.3kV
Maximum Anode Voltage	2.5kV/9kV in pulse
Mutual Conductance	20 to 26mA/V

GK10A

Russian Tube

Triode

power amplification up to 2MHz in common grid or common cathode configuration

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Ceramic
Mass	22kg
Cooling Method	Forced Water
Dimensions	570mmx215mm
Output Power	175kW
Gain Coefficient	27 to 37
Filament Voltage	20V
Filament Current	315A
Filament Current Minimum	300A
Filament Current Maximum	330A
Mutual Conductance	1470 to 180mA/V

GK10B

Russian Tube

Triode

power amplification up to 2MHz in common grid or common cathode configuration

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Ceramic
Mass	42kg
Cooling Method	Forced Air
Dimensions	570mmx242mm
Output Power	70kW
Gain Coefficient	27 to 37
Maximum Operating Frequency	2MHz
Filament Voltage	20V
Filament Current	315A
Filament Current Minimum	300A
Filament Current Maximum	330A
Maximum Anode Voltage	10kV
Mutual Conductance	1470 to 180mA/V

GK11A

Russian Tube

Tetrode

Rf Power Amplification In Common Grid Or Common Cathode Configuration
In Ssb Transmitter Or Pulse Gr
Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	38kg
Cooling Method	Forced Water
Dimensions	630mmx244mm
Output Power	120kW/250kW in pulse
Gain Coefficient	6 to 8
Maximum Operating Frequency	30MHz
Filament Voltage	22 V
Filament Current	320A
Filament Current Minimum	300A
Filament Current Maximum	340A
Maximum Anode Voltage	15kV
Mutual Conductance	180 to 340 mA/V

GK11P

Russian Tube

Tetrode

Rf Power Amplification In Common Grid Or Common Cathode Configuration
In Ssb Transmitter Or Pulse Gr
Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Glass To Metal
Mass	45 kg
Cooling Method	Evaporation
Dimensions	630mmx244mm
Output Power	120 kW
Gain Coefficient	5 to 8
Maximum Operating Frequency	110 MHz
Filament Voltage	22 V
Filament Current	320A
Filament Current Minimum	300A
Filament Current Maximum	340A
Maximum Anode Voltage	5 kV
Mutual Conductance	180 to 340 mA/V

GK12A

Russian Tube

Triode

Oscillation And Power Amplification

Amplification, Oscillation

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Glass To Metal
Mass	15 kg
Cooling Method	Forced Water
Dimensions	400mmx190mm
Output Power	250 kW
Gain Coefficient	at least140
Maximum Operating Frequency	26 MHz
Filament Voltage	6 V
Filament Current	279.5A
Filament Current Minimum	259A
Filament Current Maximum	300A
Maximum Anode Voltage	8 kV
Mutual Conductance	at least 45 mA/V

GK13A

Russian Tube

Triode

Oscillation And Power Amplification

Amplification, Oscillation

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Glass To Metal
Mass	16kg
Cooling Method	Forced Water
Dimensions	390mmx200mm
Output Power	30kW/100kW
Gain Coefficient	150
Maximum Operating Frequency	30MHz
Filament Voltage	6.5V
Filament Current	375A
Filament Current Minimum	350A
Filament Current Maximum	400A
Maximum Anode Voltage	11kV
Mutual Conductance	60mA/V

GK1A

Russian Tube

Triode

Oscillation And Power Amplification In Broadcasting And Industrial Rf Heating Equipment

Amplification, Oscillation

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Ceramic
Mass	25kg
Cooling Method	Forced Water
Dimensions	880mmx225mm
Output Power	200kW
Gain Coefficient	38 to 52
Maximum Operating Frequency	25MHz
Filament Voltage	31.5V
Filament Current	580A
Filament Current Minimum	550A
Filament Current Maximum	610A
Normal Anode Voltage	10kV
Maximum Anode Voltage	10kV
Mutual Conductance	60 to 120mA/V

GK3A

Russian Tube

Triode

Oscillation and power amplification up to 25MHz

Amplification, Oscillation

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Glass To Metal
Mass	11kg
Cooling Method	Forced Water
Dimensions	560mmx230mm
Output Power	2.6kW/100kWt in pulse
Gain Coefficient	39 to 53
Maximum Operating Frequency	25MHz
Filament Voltage	17V
Filament Current	430A
Filament Current Minimum	400A
Filament Current Maximum	460A
Maximum Anode Voltage	12kV
Mutual Conductance	38 to 53mA/V

GK5A

Russian Tube

Triode

Oscillation and power amplification up to 25MHz in common grid or common cathode configuration in sp

Amplification, Oscillation

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Glass To Metal
Mass	19 kg
Cooling Method	Forced Water
Dimensions	790mmx178mm
Output Power	200 kW
Gain Coefficient	32 to 48
Maximum Operating Frequency	25MHz
Filament Voltage	17 V
Filament Current	575A
Filament Current Minimum	540A
Filament Current Maximum	610A
Maximum Anode Voltage	8 kV
Mutual Conductance	70 to 110 mA/V

GK71

Russian Tube

Pentode

Oscillation And Power Amplification

Amplification, Oscillation

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Glass With Base
Mass	320g
Cooling Method	Air
Dimensions	195mmx68mm
Output Power	125 W
Gain Coefficient	4 to 6
Maximum Operating Frequency	20 MHz
Filament Voltage	20 V
Filament Current	3.1A
Filament Current Minimum	2.7A
Filament Current Maximum	3.5A
Normal Anode Voltage	1.5kV
Maximum Anode Voltage	2 kV
Mutual Conductance	3.1 to 4.9 mA/V

GK750

Russian Tube

Triode

Oscillation Hf

Oscillation

Specifications	
Name	Value
Cathode Type	Oscillation Hf
Envelope	Glass With Base
Mass	550g
Cooling Method	Air
Dimensions	269mmx105mm
Output Power	250W
Maximum Operating Frequency	40MHz
Filament Voltage	5V
Filament Current	10.4A
Filament Current Minimum	9.7A
Filament Current Maximum	11A
Normal Anode Voltage	2.5kV
Maximum Anode Voltage	3kV

GK9A

Russian Tube

Triode

Rf Power Amplification

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	5kg
Cooling Method	Forced Water
Dimensions	338mmx145mm
Output Power	18kW/30kW in pulse
Gain Coefficient	24 to 32
Maximum Operating Frequency	2MHz
Filament Voltage	8.3V
Filament Current	135A
Filament Current Minimum	120A
Filament Current Maximum	150A
Maximum Anode Voltage	12kV
Mutual Conductance	42 to 58 mA/V

GK9B

Russian Tube

Triode

Rf Power Amplification

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Glass To Metal
Mass	12 kg
Cooling Method	Forced Air
Dimensions	338mmx218mm
Output Power	180 kW
Gain Coefficient	24 to 32
Maximum Operating Frequency	250 MHz
Filament Voltage	8.3 V
Filament Current	135A
Filament Current Minimum	120A
Filament Current Maximum	150A
Maximum Anode Voltage	0.4 kV
Mutual Conductance	42 to 58 mA/V

GK9P

Russian Tube

Triode

Rf Power Amplification

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Glass To Metal
Mass	13 kg
Cooling Method	Evaporation
Dimensions	335mmx201mm
Output Power	250 kW
Gain Coefficient	24 to 32
Maximum Operating Frequency	500 MHz
Filament Voltage	8.3 V
Filament Current	135A
Filament Current Minimum	120A
Filament Current Maximum	150A
Maximum Anode Voltage	0.75 kV
Mutual Conductance	42 to 58 mA/V

GM100

Russian Tube

Triode

Low Frequency Power Amplification

Amplification

Specifications	
Name	Value
Cathode Type	Tungsten, Direct Heating
Envelope	Glass
Mass	2kg
Cooling Method	Air
Dimensions	495mmx207mm
Output Power	1kW
Gain Coefficient	15 to 21
Filament Voltage	17V
Filament Current	18A
Filament Current Minimum	16.6A
Filament Current Maximum	19.4A
Maximum Anode Voltage	5kV
Mutual Conductance	5 to 8 mA/V

GM1A

Russian Tube

Triode

Application In Low Frequency Amplification Circuit With Cathode Feedback Without Control Grid Curren

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	5kg
Cooling Method	Forced Water
Dimensions	440mmx125mm
Output Power	30kW
Gain Coefficient	3.4 to 5
Filament Voltage	10.5V
Filament Current	195A
Filament Current Minimum	180A
Filament Current Maximum	210A
Maximum Anode Voltage	6kV
Mutual Conductance	22 to 32 mA/V

GM1P

Russian Tube

Triode

Application In Low Frequency Amplification Circuit With Cathode Feedback Without Control Grid Curren

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	14kg
Cooling Method	Forced Evaporation
Dimensions	435mmx200mm
Output Power	35kW
Gain Coefficient	3.4 to 5
Filament Voltage	10.5V
Filament Current	195A
Filament Current Minimum	180A
Filament Current Maximum	210A
Maximum Anode Voltage	6kV
Mutual Conductance	22 to 32 mA/V

GM3A

Russian Tube

Triode

Application In Low-Frequency Undistorted Amplification With Cathode Feedback

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	2kg
Cooling Method	Forced Water
Dimensions	245mmx100mm
Output Power	7.5kW
Gain Coefficient	7 to 11
Filament Voltage	6.3V
Filament Current	150A
Filament Current Minimum	140A
Filament Current Maximum	160A
Maximum Anode Voltage	6kV
Mutual Conductance	17 to 27mA/V

GM3B

Russian Tube

Triode

Application In Low-Frequency Undistorted Amplification With Cathode Feedback

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	4kg
Cooling Method	Forced Water
Dimensions	245mmx120mm
Output Power	7.5kW
Gain Coefficient	7 to 11
Filament Voltage	6.3V
Filament Current	150A
Filament Current Minimum	140A
Filament Current Maximum	160A
Maximum Anode Voltage	6kV
Mutual Conductance	17 to 27mA/V

GM3P

Russian Tube

Triode

Application In Low-Frequency Undistorted Amplification With Cathode Feedback

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	8kg
Cooling Method	Forced Evaporation
Dimensions	250mmx146mm
Output Power	7.5kW
Gain Coefficient	7 to 11
Filament Voltage	6.3V
Filament Current	150A
Filament Current Minimum	140A
Filament Current Maximum	160A
Maximum Anode Voltage	6kV
Mutual Conductance	17 to 27mA/V

GM51A

Russian Tube

Triode

Power Amplification

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	4kg
Cooling Method	Forced Water
Dimensions	570mmx150mm
Output Power	15kW
Gain Coefficient	6 to 8
Filament Voltage	22V
Filament Current	102A
Filament Current Minimum	96A
Filament Current Maximum	108A
Maximum Anode Voltage	12.5kV
Mutual Conductance	8.5 to 11.5mA/V

GM60

Russian Tube

Triode

Low Frequency Power Amplification

Amplification

Specifications	
Name	Value
Cathode Type	Tungsten, Direct Heating
Envelope	Glass With Base
Mass	750g
Cooling Method	Air
Dimensions	445mmx105mm
Output Power	0.6kW
Gain Coefficient	13 to 19
Filament Voltage	17V
Filament Current	8.4A
Filament Current Minimum	7.7A
Filament Current Maximum	9.1A
Maximum Anode Voltage	10kV
Mutual Conductance	1.8 to 2.6 mA/V

GM70

Russian Tube

Triode

Low Frequency Power Amplification In Special Equipment Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Glass With Base
Mass	280g
Cooling Method	Air
Dimensions	185mmx65mm
Output Power	125W
Gain Coefficient	5.4 to 8
Filament Voltage	20V
Filament Current	3A
Filament Current Minimum	2.7A
Filament Current Maximum	3.3A
Maximum Anode Voltage	1.65kV
Mutual Conductance	4.8 to 7.2mA/V

GMI10

Russian Tube

Tetrode

Commutation Of Pulse Power In Puse Modulators Of Special Equipment
Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass
Mass	0.25kg
Cooling Method	Air
Dimensions	110mmx67mm
Output Power	41W
Maximum Anode Voltage	9kV
Pulse Duration	10uS

GMI101

Russian Tube

Tetrode

Commutation Of Pulse Power In Puse Modulators Of Special Equipment
Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass
Mass	0.25kg
Cooling Method	Air
Dimensions	110mmx67mm
Output Power	41W
Maximum Anode Voltage	9kV
Pulse Duration	10uS

GMI11

Russian Tube

Tetrode

Commutation Of Pulse Power In Puse Modulators Of Special Equipment
Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass
Mass	0.3kg
Cooling Method	Air
Dimensions	100mmx67mm
Output Power	85W
Maximum Anode Voltage	10kV
Pulse Duration	5uS

GMI111

Russian Tube

Tetrode

Commutation Of Pulse Power In Puse Modulators Of Special Equipment
Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass
Mass	0.3kg
Cooling Method	Air
Dimensions	100mmx67mm
Output Power	85W
Maximum Anode Voltage	10kV
Pulse Duration	5uS

GMI14B

Russian Tube

Tetrode

Application In Pulse Modulators In Special Equipment
Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metall-Glass
Mass	2.8kg
Cooling Method	Air
Dimensions	235mmx145mm
Output Power	600W
Maximum Anode Voltage	36kV
Pulse Duration	10us

GMI15B

Russian Tube

Pulse Beam Tetrode

Application In Modulators With Partial Discharge Of Accumulative Capacitance Modulation

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Glass With Base
Mass	4kg
Cooling Method	Air
Dimensions	360mmx145mm
Output Power	700W
Filament Voltage	8V
Filament Current	21.5A
Filament Current Minimum	19A
Filament Current Maximum	24A
Maximum Anode Voltage	3.5kV
Pulse Duration	1000uS

GMI17B

Russian Tube

Pulse Beam Tetrode

Application As Commutator

Commutation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Glass
Mass	4kg
Cooling Method	Forced Air
Dimensions	285mmx125mm
Output Power	1.5kW
Filament Voltage	27V
Filament Current	10.5A
Filament Current Minimum	9.5A
Filament Current Maximum	11.5A
Maximum Anode Voltage	30kV
Pulse Duration	10uS

GMI19B

Russian Tube

Pulse Tetrode

commutation of pulse power up to 3.6MW in pulse modulators of special equipment

Modulation

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metall-Glass
Mass	5kg
Cooling Method	Forced Air
Dimensions	270mmx138mm
Output Power	1kW/3MW in pulse
Filament Voltage	9.5V
Filament Current	190A
Filament Current Minimum	170A
Filament Current Maximum	210A
Maximum Anode Voltage	30kV
Pulse Duration	1000uS

GMI20

Russian Tube

Pulse Tetrode

commutation of pulse power up to 20kW in pulse modulators of special equipment

Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass
Mass	80g
Cooling Method	Air
Dimensions	95mmx48mm
Output Power	15W/20kW in pulse
Filament Voltage	6.3V/12.6V
Filament Current	2.1 - 2.7A/1.05 - 1.4A
Maximum Anode Voltage	3kV
Pulse Duration	25uS

GMI21

Russian Tube

Pulse Tetrode

Application In Modulators With Partial Discharge Of Accumulative Capacitance Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass
Mass	250g
Cooling Method	Air
Dimensions	110mmx61mm
Output Power	30W
Filament Voltage	6.3V
Filament Current	7A
Filament Current Minimum	6.3A
Filament Current Maximum	7.7A
Maximum Anode Voltage	10kV
Pulse Duration	100uS

GMI211

Russian Tube

Pulse Tetrode

Application In Modulators With Partial Discharge Of Accumulative Capacitance Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass
Mass	250g
Cooling Method	Air
Dimensions	110mmx61mm
Output Power	30W
Filament Voltage	6.3V
Filament Current	6.9A
Filament Current Minimum	6.5A
Filament Current Maximum	7.3A
Maximum Anode Voltage	10kV
Pulse Duration	50uS

GMI22B

Russian Tube

Pulse Tetrode

Application In Pulse Modulators In Special Equipment
Modulation

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metall-Glass
Mass	1.8kg
Cooling Method	Forced Air
Dimensions	166mmx82mm
Output Power	250W
Filament Voltage	4.3V
Filament Current	95A
Filament Current Minimum	85A
Filament Current Maximum	105A
Maximum Anode Voltage	20kV
Pulse Duration	1000uS

GMI26B

Russian Tube

Pulse Tetrode

commutation of pulse power up to 10kV anode voltage and 20A pulse current in special equipment

Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metall-Glass
Mass	0.65kg
Cooling Method	Forced Air
Dimensions	114mmx82mm
Output Power	250W
Filament Voltage	12.6V
Filament Current	5.5A
Filament Current Minimum	5A
Filament Current Maximum	6A
Maximum Anode Voltage	10kV
Pulse Duration	30uS

GMI27A

Russian Tube

Pulse Tetrode

Application In Modulators With Partial Discharge Of Accumulative Capacitance Modulation

Specifications		
Name		Value
Envelope		Metall-Glass
Mass		900g
Cooling Method		Forced Water
Dimensions		116mmx68mm
Output Power		1kW/2.75kW in pulse
Filament Voltage		12.6V
Maximum Anode Voltage		6kV
Pulse Duration		50uS

GMI27B

Russian Tube

Pulse Tetrode

Application In Modulators With Partial Discharge Of Accumulative Capacitance Modulation

Specifications		
Name		Value
Envelope		Metall-Glass
Mass		750g
Cooling Method		Forced Air
Dimensions		116mmx68mm
Output Power		0.5kW
Filament Voltage		12.6V
Maximum Anode Voltage		10kV

GMI28A

Russian Tube

Pulse Triode

pulse power commutation up to 4MW in pulse modulators with capacitance load

Commutation

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Glass
Mass	10kg
Cooling Method	Forced Water
Dimensions	370mmx175mm
Output Power	6kW/4MW in pulse
Filament Voltage	11V
Filament Current	195A
Filament Current Minimum	175A
Filament Current Maximum	215A
Maximum Anode Voltage	35kV
Pulse Duration	1000us

GMI29A1

Russian Tube

Pulse Tetrode

commutation of pulse power up to 8,5MW with up to40kV anode voltage and 250A pulse current in specia

Commutation

Specifications	
Name	Value
Cathode Type	Nickel-Oxide, Sponged, Indirect Heating
Envelope	Metall-Glass
Mass	8.5kg
Cooling Method	Forced Water
Dimensions	400mmx200mm
Output Power	20kW/4MW in pulse
Filament Voltage	12.6V
Filament Current	69.5A
Filament Current Minimum	66A
Filament Current Maximum	73A
Maximum Anode Voltage	40kV
Pulse Duration	10uS

GMI29B

Russian Tube

Pulse Tetrode

Pulse Power Commutation In Pulse Modulators In Special Equipment
Commutation

Specifications		
Name		Value
Envelope		Metal-Glass
Mass		13kg
Cooling Method		Forced Air
Dimensions		420mmx200mm
Output Power		10kW
Filament Voltage		12.6V
Filament Current		69.5A
Filament Current Minimum		66A
Filament Current Maximum		73A
Maximum Anode Voltage		30kV
Pulse Duration		10uS

GMI29B1

Russian Tube

Pulse Tetrode

commutation of pulse power up to 8,5MW with up to40kV anode voltage and 250A pulse current in specia

Commutation

Specifications	
Name	Value
Cathode Type	Nickel-Oxide, Sponged, Indirect Heating
Envelope	Metall-Glass
Mass	9kg
Cooling Method	Forced Air
Output Power	10kW
Filament Voltage	12.6V
Filament Current	69.5A
Filament Current Minimum	66A
Filament Current Maximum	73A
Maximum Anode Voltage	35kV
Pulse Duration	10uS

GMI2B

Russian Tube

Pulse Tetrode

Application In Modulators With Partial Discharge Of Accumulative Capacitance Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass With Base
Mass	5.5kg
Cooling Method	Air
Dimensions	285mmx210mm
Output Power	0.9kW
Filament Voltage	25V
Maximum Anode Voltage	32kV
Pulse Duration	2uS

GMI30

Russian Tube

Pulse Triode

Commutation Of Pulse Power In Puse Modulators Of Special Equipment
Modulation

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Glass With Base
Mass	650g
Cooling Method	Air
Dimensions	350mmx140mm
Output Power	300W
Filament Voltage	8.2V
Filament Current	16.8A
Filament Current Minimum	15.9A
Filament Current Maximum	17.7A
Maximum Anode Voltage	30kV
Mutual Conductance	4.8 to 6.8mA/V

GMI32B

Russian Tube

Pulse Tetrode

Commutation Of Pulse Power In Special Equipment

Commutation

Specifications	
Name	Value
Cathode Type	Oxide, Sintered, Indirect Heating
Envelope	Metal-Glass
Mass	4kg
Cooling Method	Forced Air
Dimensions	275mmx125mm
Output Power	2kW
Filament Voltage	27V
Filament Current	10
Filament Current Minimum	9.3
Filament Current Maximum	10.7
Maximum Anode Voltage	40kV
Pulse Duration	10uS

GMI32B1

Russian Tube

Pulse Tetrode

Commutation Of Pulse Power In Special Equipment

Commutation

Specifications	
Name	Value
Cathode Type	Oxide, Sintered, Indirect Heating
Envelope	Metal-Glass
Mass	2.7kg
Cooling Method	Forced Air
Dimensions	210mmx125mm
Output Power	2kW
Filament Voltage	27V
Filament Current	10
Filament Current Minimum	9.3
Filament Current Maximum	10.7
Maximum Anode Voltage	40kV
Pulse Duration	10uS

GMI33A

Russian Tube

Pulse Injectron

pulse power commutation up to 3,5MW in pulse modulators in special equipment

Commutation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	6kg
Cooling Method	Forced Water
Dimensions	336mmx153mm
Output Power	5kW/3.5MW in pulse
Filament Voltage	26V
Filament Current	4.4A
Filament Current Minimum	4A
Filament Current Maximum	4.8A
Normal Anode Voltage	10kV
Maximum Anode Voltage	70kV
Pulse Duration	50uS

GMI34A

Russian Tube

Pulse Triode

Commutation Of Pulse Power

Commutation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	12kg
Cooling Method	Forced Water
Dimensions	290mmx195mm
Output Power	3kW/45kW in pulse
Filament Voltage	26V
Filament Current	16.2A
Filament Current Minimum	14.6A
Filament Current Maximum	17.8A
Normal Anode Voltage	6kV
Maximum Anode Voltage	40kV
Pulse Duration	50uS

GMI34B

Russian Tube

Pulse Triode

Commutation Of Pulse Power

Commutation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	10kg
Cooling Method	Forced Air
Dimensions	230mmx181mm
Output Power	3kW/45kW in pulse
Filament Voltage	26V
Filament Current	16.2A
Filament Current Minimum	14.6A
Filament Current Maximum	17.8A
Normal Anode Voltage	6kV
Maximum Anode Voltage	40kV
Pulse Duration	50uS

GMI36B

Russian Tube

Pulse Triode

commutation of pulse power up to 1,7MW in pulse modulators of special equipment

Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Glass
Mass	7.2kg
Cooling Method	Forced Air
Dimensions	236mmx151mm
Output Power	2kW/1.7MW in pulse
Filament Voltage	26V
Filament Current	7.8A
Filament Current Minimum	7A
Filament Current Maximum	8.6A
Normal Anode Voltage	5kV
Maximum Anode Voltage	40kV
Pulse Duration	30uS

GMI37A

Russian Tube

Pulse Triode

Commutation Of Pulse Power In Puse Modulators Of Special Equipment
Modulation

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Ceramic
Mass	32kg
Cooling Method	Forced Water
Dimensions	785mmx270mm
Output Power	50kW
Filament Voltage	26V
Filament Current	720A
Filament Current Minimum	650A
Filament Current Maximum	790A
Maximum Anode Voltage	50kV
Pulse Duration	100uS

GMI38

Russian Tube

Pulse Triode

Commutation Of Pulse Power In Puse Modulators Of Special Equipment
Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Glass-Ceramic
Mass	520g
Cooling Method	Forced Air
Dimensions	145mmx86mm
Output Power	60W
Filament Voltage	26V
Filament Current	3.2A
Filament Current Minimum	3A
Filament Current Maximum	3.4A
Maximum Anode Voltage	20kV
Pulse Duration	50uS

GMI40B

Russian Tube

Pulse Triode

Commutation Of Pulse Power In Puse Modulators Of Special Equipment
Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Glass
Mass	1.7kg
Cooling Method	Forced Air
Dimensions	158mmx118mm
Output Power	1kW
Filament Voltage	26V
Filament Current	7.9A
Filament Current Minimum	7.6A
Filament Current Maximum	8.2A
Normal Anode Voltage	2.5kV
Maximum Anode Voltage	10kV
Pulse Duration	50uS

GMI41A

Russian Tube

Pulse Injectron

pulse power commutation up to 35MW in pulse modulators in special equipment

Commutation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	15kg
Cooling Method	Forced Water
Dimensions	420mmx162mm
Output Power	10kW/35MW in pulse
Filament Voltage	20V
Filament Current	10A
Filament Current Minimum	9A
Filament Current Maximum	11A
Normal Anode Voltage	24kV
Maximum Anode Voltage	180kV
Pulse Duration	15uS

GMI42B

Russian Tube

Pulse Triode

commutation of pulse power up to 30kV anode voltage and 30A pulse current in special equipment

Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	1.2kg
Cooling Method	Forced Air
Dimensions	131mmx91mm
Output Power	0.5kW
Filament Voltage	26V
Filament Current	3.4A
Filament Current Minimum	3.2A
Filament Current Maximum	3.6A
Normal Anode Voltage	2.5kV
Maximum Anode Voltage	30kV
Pulse Duration	50uS

GMI44A

Russian Tube

Pulse Triode

Commutation And Control Of Power In Pulse Modulators Of Special Equipment

Commutation

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Ceramic
Mass	58kg
Cooling Method	Forced Water
Dimensions	700mmx285mm
Output Power	150kW
Filament Voltage	6.3V
Filament Current	1800A
Filament Current Minimum	1600A
Filament Current Maximum	2000A
Normal Anode Voltage	8kV
Maximum Anode Voltage	60kV
Pulse Duration	750uS

GMI45A

Russian Tube

Combined Tetrode

commutation of pulse power up to 825kW and pulse release forming on load in pulse modulators

Modulation, Forming

Specifications	
Name	Value
Cathode Type	Nickel-Oxide, Sponged, Indirect Heating
Envelope	Metal-Glass
Mass	1.5kg
Cooling Method	Forced Water
Dimensions	250mmx150mm
Output Power	1.5kW
Filament Voltage	27V
Filament Current	4.4A
Filament Current Minimum	4A
Filament Current Maximum	4.8A
Normal Anode Voltage	30kV
Maximum Anode Voltage	30kV
Pulse Duration	25uS

GMI46B

Russian Tube

Pulse Triode

Commutation Of Pulse Power In Puse Modulators Of Special Equipment
Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	3kg
Cooling Method	Forced Air
Dimensions	160mmx122mm
Output Power	1kW
Filament Voltage	26V
Filament Current	8A
Filament Current Minimum	7.6A
Filament Current Maximum	8.4A
Maximum Anode Voltage	30kV
Pulse Duration	50uS

GMI5

Russian Tube

Pulse Tetrode

Application In Pulse Modulators In Special Equipment
Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass
Mass	0.3kg
Cooling Method	Air
Dimensions	130mmx67mm
Output Power	50W
Filament Voltage	26V
Filament Current	1.8A
Filament Current Minimum	1.6A
Filament Current Maximum	1.9A
Maximum Anode Voltage	20kV
Pulse Duration	5uS

GMI50B

Russian Tube

Pulse Beam Tetrode

commutation of pulse power up to 20kV anode voltage and 20A pulse current in special equipment

Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Sponged-Metall, Indirect Heating
Envelope	Metall-Glass
Mass	800g
Cooling Method	Forced Air
Dimensions	150mmx75mm
Output Power	250W
Filament Voltage	26V
Filament Current	3.7A
Filament Current Minimum	3.4A
Filament Current Maximum	4A
Maximum Anode Voltage	20kV
Pulse Duration	50uS

GMI52B

Russian Tube

Triode

commutation of pulse power up to 80kW up to 10kV anode voltage and 10A pulse current in special equi

Commutation

Specifications	
Name	Value
Cathode Type	Nickel-Oxide, Sponged, Indirect Heating
Envelope	Metal-Glass-Ceramic
Mass	180g
Cooling Method	Forced Air
Dimensions	90mmx45mm
Output Power	80W/80kW in pulse
Filament Voltage	6.3V
Maximum Anode Voltage	15kV
Pulse Duration	10uS

GMI6

Russian Tube

Double Beam Tetrode

Commutation Of Pulse Power In Special Equipment
Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass
Mass	70g
Cooling Method	Air
Dimensions	93mmx48mm
Output Power	15W
Filament Voltage	12.6V
Filament Current	1.1A
Filament Current Minimum	1A
Filament Current Maximum	1.2A
Maximum Anode Voltage	4kV
Pulse Duration	5uS

GMI61

Russian Tube

Double Beam Tetrode

Commutation Of Pulse Power In Special Equipment
Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass
Mass	70g
Cooling Method	Air
Dimensions	93mmx48mm
Output Power	15W
Filament Voltage	12.6V
Filament Current	1.2A
Filament Current Minimum	1.1A
Filament Current Maximum	1.3A
Maximum Anode Voltage	4kV
Pulse Duration	10uS

GMI7

Russian Tube

Pulse Beam Tetrode

Application In Pulse Modulators In Special Equipment
Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass
Mass	0.8kg
Cooling Method	Air
Dimensions	190mmx120mm
Output Power	125W
Filament Voltage	26V
Filament Current	5.9A
Filament Current Minimum	5.4A
Filament Current Maximum	6.4A
Maximum Anode Voltage	22kV
Pulse Duration	5uS

GMI71

Russian Tube

Pulse Tetrode

Commutation Of Pulse Power In Puse Modulators Of Special Equipment
Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass
Mass	0.8kg
Cooling Method	Air
Dimensions	190mmx120mm
Output Power	125W
Filament Voltage	26V
Filament Current	5.9A
Filament Current Minimum	5.4A
Filament Current Maximum	6.4A
Maximum Anode Voltage	22kV
Pulse Duration	25uS

GMI83

Russian Tube

Pulse Tetrode

Pulse Feeding To Magnetron

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass With Base
Mass	0.22kg
Cooling Method	Forced Air
Dimensions	136mmx65mm
Output Power	65W
Filament Voltage	25V
Filament Current	2A
Filament Current Minimum	1.65A
Filament Current Maximum	2.35A
Normal Anode Voltage	20kV
Maximum Anode Voltage	20kV
Pulse Duration	2.5uS

GMI83V

Russian Tube

Pulse Tetrode

Power Amplification In Pulse Modulators

Amplification

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass With Base
Mass	0.3kg
Cooling Method	Forced Air
Dimensions	139mmx65mm
Output Power	60W
Filament Voltage	25V
Filament Current	2.4A
Filament Current Minimum	2.2A
Filament Current Maximum	2.5A
Maximum Anode Voltage	18kV
Pulse Duration	2uS

GMI89

Russian Tube

Pulse Tetrode

Application In Pulse Modulators In Special Equipment
Modulation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass With Base
Mass	0.65kg
Cooling Method	Air
Dimensions	225mmx105mm
Output Power	100W
Filament Voltage	25V
Filament Current	3.5A
Filament Current Minimum	3A
Filament Current Maximum	4A
Maximum Anode Voltage	26kV
Pulse Duration	2uS

GMI90

Russian Tube

Pulse Tetrode

Pulse Feeding To Magnetron

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Glass With Base
Mass	1.3kg
Cooling Method	Air
Dimensions	250mmx145mm
Output Power	140W
Filament Voltage	25V
Filament Current	7.2A
Filament Current Minimum	6.5A
Filament Current Maximum	7.8A
Maximum Anode Voltage	33kV
Pulse Duration	3uS

GS11

Russian Tube

Triode

oscillation, amplification in 1-10cm band

Hf Amplification, Oscillation

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Titanium-Ceramic
Mass		5 g
Cooling Method		Forced Air
Dimensions		25.1mmx15.4mm
Output Power		1.5 W
Gain Coefficient		80 to 165
Maximum Operating Frequency		10cm
Filament Voltage		6.3 V
Filament Current		292.5mA
Filament Current Minimum		275mA
Filament Current Maximum		310mA
Normal Anode Voltage		175V
Maximum Anode Voltage		9 kV
Mutual Conductance		9mA/V

GS12A

Russian Tube

Tetrode

RF power amplification up to 1000MHz

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Ceramic
Mass	18kG
Cooling Method	Forced Water
Dimensions	225mm
Output Power	26kW
Maximum Operating Frequency	1000MHz
Filament Voltage	1.35V
Filament Current	2275A
Filament Current Minimum	2150A
Filament Current Maximum	2400A
Normal Anode Voltage	2kV
Maximum Anode Voltage	7kV
Mutual Conductance	170 to 240mA/V

GS13

Russian Tube

Triode

oscillation, amplification and freq.multiplication in 1-10cm band

Oscillation, Amplification, Freq.Multiplication

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Titanium-Ceramic
Mass	12g
Cooling Method	Forced Air
Dimensions	31.3mmx23.4mm
Output Power	13W
Maximum Operating Frequency	7.2cm
Filament Voltage	6.3V
Filament Current	0.42A
Filament Current Minimum	0.415A
Filament Current Maximum	0.424A
Normal Anode Voltage	200V
Maximum Anode Voltage	0.3kV
Mutual Conductance	15 to18mA/V

GS14

Russian Tube

Triode

oscillation, amplification and freq.multiplication in 1-10cm band

Hf Amplification, Oscillation, Freq.Multiplication

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Titanium-Ceramic
Mass	20 g
Cooling Method	Forced Air
Dimensions	37mmx25.5mm
Output Power	28 W
Maximum Operating Frequency	7.7cm
Filament Voltage	6.3 V
Filament Current	0.73A
Filament Current Minimum	0.66A
Filament Current Maximum	0.8A
Normal Anode Voltage	250V
Maximum Anode Voltage	10 kV
Mutual Conductance	16 to 20 mA/V

GS142

Russian Tube

Triode

oscillation and amplification up to 60W in continuous mode and up to 12kW in pulse mode in 3000MHz ba

Amplification, Oscillation

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal-Ceramic
Mass		0.16kg
Cooling Method		Forced Air
Dimensions		81mmx25mm
Output Power		60W/12kW in pulse
Maximum Operating Frequency		3280MHz
Filament Voltage		12.6V
Filament Current		1.1A
Filament Current Minimum		0.98A
Filament Current Maximum		1.18A
Maximum Anode Voltage		2.5kV
Mutual Conductance		14mA/V

GS15B

Russian Tube

Tetrode

Oscillation And Power Amplification In Common Grid Configuration In Continuous Mode

Hf Amplification, Oscillation

Specifications	
Name	Value
Cathode Type	Sponged-Metal,.Oxide, Indrect Heating
Envelope	Metal-Ceramic
Mass	140 g
Cooling Method	Forced Air
Dimensions	69mmx37.1mm
Output Power	200 W
Maximum Operating Frequency	26 MHz
Filament Voltage	6.3 V
Filament Current	2A
Filament Current Minimum	1.85A
Filament Current Maximum	2.2A
Maximum Anode Voltage	11 kV
Mutual Conductance	9 mA/V

GS17B

Russian Tube

Tetrode

power amplification and UHF oscillation up to 1000MHz

Hf Amplification, Oscillation

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Ceramic
Mass	6.6 kg
Cooling Method	Forced Air
Dimensions	205mmx162mm
Output Power	10 kW
Gain Coefficient	7.5 to 10.5
Maximum Operating Frequency	1000MHz
Filament Voltage	3.4 V
Filament Current	160A
Filament Current Minimum	148A
Filament Current Maximum	172A
Maximum Anode Voltage	5.5kV
Mutual Conductance	55 mA/V

GS18B

Russian Tube

Tetrode

power amplification up to 1000MHz

Amplification

Specifications	
Name	Value
Cathode Type	Tugsten, Carbidized, Direct Heating
Envelope	Metal-Ceramic
Mass	16kg
Cooling Method	Forced Air
Dimensions	245mmx214mm
Output Power	15kW
Maximum Operating Frequency	1000MHz
Filament Voltage	4V
Filament Current	205A
Filament Current Minimum	190A
Filament Current Maximum	220A
Maximum Anode Voltage	6.5kV
Mutual Conductance	80 to 110mA/V

GS19

Russian Tube

Triode

oscillation, amplification in 15-60cm band

Hf Amplification, Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Titanium-Ceramic
Mass	2.5g
Cooling Method	Air
Dimensions	16.2mmx12.1mm
Output Power	1.2W
Gain Coefficient	15dB
Maximum Operating Frequency	2000MHz
Filament Voltage	6.3V
Filament Current	2.8A
Filament Current Minimum	2.6A
Filament Current Maximum	3A
Normal Anode Voltage	150V
Maximum Anode Voltage	175V
Mutual Conductance	11 to 20mA/V

GS1B

Russian Tube

Triode

For Application In Equipment For Special Purposes

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	1.5kg
Cooling Method	Forced Air
Output Power	360W
Maximum Operating Frequency	30cm
Filament Voltage	12.6V
Filament Current	3.2+0.3A
Normal Anode Voltage	2kV
Maximum Anode Voltage	3kV/6kV in peak
Mutual Conductance	30+5mA/V

GS20

Russian Tube

Triode

oscillation, amplification in 1-10cm band

Hf Amplification, Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	20g
Cooling Method	Air
Dimensions	37mmx25.5mm
Output Power	10W
Maximum Operating Frequency	7.5cm
Filament Voltage	6.3V
Filament Current	0.73A
Filament Current Minimum	0.66A
Filament Current Maximum	0.8A
Maximum Anode Voltage	400V
Mutual Conductance	16 to 30mA/V

GS21

Russian Tube

Triode

oscillation, amplification in 1-10cm band

Hf Amplification, Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Titanium-Ceramic
Mass	12g
Cooling Method	Air
Dimensions	31.3mmx23.4mm
Output Power	13W
Gain Coefficient	not less than 40
Maximum Operating Frequency	10cm
Filament Voltage	6.3V
Filament Current	0.5A
Filament Current Minimum	0.47A
Filament Current Maximum	0.53A
Normal Anode Voltage	200V
Maximum Anode Voltage	400V
Mutual Conductance	18mA/V

GS22

Russian Tube

Triode

oscillation and freq.multiplication in 1-10cm band in continuous mode

Amplification, Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	15g
Cooling Method	Air
Dimensions	46mmx16.4mm
Output Power	21W
Maximum Operating Frequency	9000MHz
Filament Voltage	6.3V
Filament Current	0.85A
Filament Current Minimum	0.84A
Filament Current Maximum	0.86A
Normal Anode Voltage	350V
Maximum Anode Voltage	375V
Mutual Conductance	17mA/V

GS23B

Russian Tube

Tetrode

RF oscillation and amplification up to 1000MHz in continuous mode

Hf Amplification, Oscillation

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal-Ceramic
Mass		1.1 kg
Cooling Method		Forced Air
Dimensions		120mmx90mm
Output Power		1.5 kW
Gain Coefficient		8
Maximum Operating Frequency		Metric Waves
Filament Voltage		6.3 V
Filament Current		5.7A
Filament Current Minimum		5.3A
Filament Current Maximum		6.1A
Maximum Anode Voltage		0.75 kV
Mutual Conductance		40 to 70 mA/V

GS24B

Russian Tube

Triode

Oscillation And Power Amplification In Common Grid Configuration And Anode-Manipulated Continuous Mo Amplification, Oscillation

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal-Ceramic
Mass		80 g
Cooling Method		Forced Air
Dimensions		69.5mmx35mm
Output Power		32W/120W in pulse
Maximum Operating Frequency		30cm
Filament Voltage		6.3 V
Filament Current		0.88A
Filament Current Minimum		0.38A
Filament Current Maximum		1.38A
Maximum Anode Voltage		900V
Mutual Conductance		20 to 30 mA/V

GS25

Russian Tube

Triode

oscillation, amplification and freq.multiplication in 1-10cm band

Hf Amplification, Oscillation, Freq.Multiplication

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Titanium-Ceramic, Miniature
Mass	2g
Cooling Method	Air
Dimensions	17.2mmx14.1mm
Output Power	0.21W
Gain Coefficient	7dB
Maximum Operating Frequency	5000MHz
Filament Voltage	6.3V
Filament Current	0.5A
Filament Current Minimum	0.38A
Filament Current Maximum	0.62A
Normal Anode Voltage	80V
Maximum Anode Voltage	100V
Mutual Conductance	5mA/B

GS27B

Russian Tube

Tetrode

Hf Amplification

Specifications		
Name		Value
Envelope		Metal-Ceramic
Cooling Method		Forced Air
Dimensions		72mmx37.3mm
Output Power		100 W
Maximum Operating Frequency		250 MHz
Filament Voltage		12.6 V
Filament Current		1.1A
Filament Current Minimum		1.04A
Filament Current Maximum		1.24A
Maximum Anode Voltage		0.5 kV
Mutual Conductance		at least 10 mA/V

GS29B

Russian Tube

Triode

amplification and oscillation in 5-15cm band in common grid configuration

Amplification, Oscillation

Specifications	
Name	Value
Cathode Type	Pressed-Impregnated, Indirect Heating
Envelope	Metal-Ceramic
Mass	50g
Cooling Method	Forced Air
Dimensions	54mmx26mm
Output Power	50W
Maximum Operating Frequency	6000MHz
Filament Voltage	6.3V
Filament Current	1.1A
Filament Current Minimum	1A
Filament Current Maximum	1.2A
Maximum Anode Voltage	475V
Mutual Conductance	18mA/V

GS30

Russian Tube

Triode

Oscillation UHF power up to 20W,400-1500MHz in special equipment

Hf Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	30 g
Cooling Method	Air
Dimensions	45mmx25.8mm
Output Power	40 W
Maximum Operating Frequency	1500 MHz
Filament Voltage	6.3 V
Filament Current	1A
Filament Current Minimum	0.8A
Filament Current Maximum	1.2A
Maximum Anode Voltage	1.5 kV
Mutual Conductance	at least 20 mA/V

GS31B

Russian Tube

Triode

Oscillation UHF power up to 360W, up to 1070MHz in special equipment

Hf Amplification, Oscillation

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	1.2 kg (650 g)
Cooling Method	Forced Air (Other)
Dimensions	147mmx100mm (134mmx65mm)
Output Power	1 kW
Maximum Operating Frequency	1030 MHz
Filament Voltage	12.6 V
Filament Current	3.4A
Filament Current Minimum	3.1A
Filament Current Maximum	3.7A
Maximum Anode Voltage	1.5 kV
Mutual Conductance	at least 22 mA/V

GS32

Russian Tube

Triode

oscillation, amplification and freq.multiplication in 300-4000MHz band in special equipment

Hf Amplification, Oscillation, Freq.Multiplication

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Titanium-Ceramic
Mass		5g
Cooling Method		Air
Dimensions		24.2mmx13.5mm
Output Power		5W
Maximum Operating Frequency		2000MHz
Filament Voltage		6.3V
Filament Current		0.31A
Filament Current Minimum		0.28A
Filament Current Maximum		0.34A
Normal Anode Voltage		200V
Maximum Anode Voltage		0.25kV
Mutual Conductance		at least 14mA/V

GS33B

Russian Tube

Tetrode

amplification on 400-4000MHz band in resonance amplifier and distributed UHF band amplifiers in cont

Amplification

Specifications	
Name	Value
Cathode Type	Sponged-Metal,.Oxide, Indrect Heating
Envelope	Metal-Ceramic
Mass	30g
Cooling Method	Forced Air
Dimensions	36mmx22mm
Output Power	80W
Maximum Operating Frequency	7.5cm
Filament Voltage	6.3V
Filament Current	0.97A
Filament Current Minimum	0.88A
Filament Current Maximum	1.06A
Maximum Anode Voltage	1.1kV
Mutual Conductance	15mA/V

GS34

Russian Tube

Triode

oscillation and amplification up to 60W in continuous mode and up to 12kW in pulse mode in 3000MHz ba

Amplification, Oscillation

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal-Ceramic
Mass		1.4kg
Cooling Method		Forced Air
Dimensions		67mmx36.3mm
Output Power		60W/12kW in pulse
Maximum Operating Frequency		3280MHz
Filament Voltage		12.6V
Filament Current		1.1A
Filament Current Minimum		0.98A
Filament Current Maximum		1.18A
Maximum Anode Voltage		2.5kV
Mutual Conductance		14mA/V

GS341

Russian Tube

Triode

oscillation and amplification up to 60W in continuous mode and up to 12kW in pulse mode in 3000MHz ba

Amplification, Oscillation

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal-Ceramic
Mass		0.25kg
Cooling Method		Forced Air
Dimensions		81mmx50mm
Output Power		60W/12kW in pulse
Maximum Operating Frequency		3280MHz
Filament Voltage		12.6V
Filament Current		1.1A
Filament Current Minimum		0.98A
Filament Current Maximum		1.18A
Maximum Anode Voltage		2.5kV
Mutual Conductance		14mA/V

GS35B

Russian Tube

Triode

Hf Amplification, Oscillation

Specifications		
Name		Value
Envelope		Metal-Ceramic
Mass		2.8 kg
Cooling Method		Forced Air
Dimensions		177mmx100mm
Output Power		1.5 kW
Maximum Operating Frequency		250 MHz
Filament Voltage		12.6 V
Filament Current		3A
Filament Current Minimum		2.65A
Filament Current Maximum		3.25A
Maximum Anode Voltage		4 kV
Mutual Conductance		25 to 40 mA/V

GS36B

Russian Tube

Tetrode

power amplification up to 500MHz in distributed amplifiers and up to 75MHz in SSB amplifiers

Hf Amplification

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal-Ceramic
Mass		220 g
Cooling Method		Forced Air
Dimensions		67mmx51mm
Output Power		0.4 kW
Maximum Operating Frequency		250 MHz
Filament Voltage		6.3 V
Filament Current		3.2A
Filament Current Minimum		2.95A
Filament Current Maximum		3.35A
Maximum Anode Voltage		2.5 kV
Mutual Conductance		20 to 34 mA/V

GS37

Russian Tube

Tetrode

Freq.Multiplication

Specifications		
Name		Value
Envelope		Metal-Ceramic
Mass		8 g
Dimensions		28.7mmx15.4mm
Output Power		2.5 W
Maximum Operating Frequency		250 MHz
Filament Voltage		6.3 V
Filament Current		320mA
Filament Current Minimum		290mA
Filament Current Maximum		350mA
Maximum Anode Voltage		8 kV

GS38B

Russian Tube

Tetrode

linear and power amplification up to 500MHz stationery and mobile equipment

Amplification

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	150g
Cooling Method	Forced Air
Dimensions	64mmx41.5mm
Output Power	350W
Maximum Operating Frequency	500MHz
Filament Voltage	26.5V
Filament Current	0.755A
Filament Current Minimum	0.71A
Filament Current Maximum	0.8A
Maximum Anode Voltage	3.5kV
Mutual Conductance	14 to 28 mA/V

GS39B

Russian Tube

Tetrode

Oscillation And Power Amplification In Stationery And Mobile Equipment Amplification

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass	350g
Cooling Method	Forced Air
Dimensions	65mmx52.3mm
Output Power	0.6kW
Maximum Operating Frequency	750MHz
Filament Voltage	6.3V0.7 to 0.8A
Maximum Anode Voltage	2.5kV/4.5kV in peak
Mutual Conductance	12 to 28mA/V