

M104

Russian Tube

Continuous Working

Apllication In Medical Equipment And Industrial Heating And Drying

Specifications		
Name		Value
Envelope		Metal-Ceramic
Mass, Kg		3
Cooling Method		Forced Air
Frequency Range		1st 933.3/2nd 896.7
Output Power		200W
Filament Voltage, V		7
Filament Current, A		6.5
Anode Voltage, Kv		2.5
External Loading Agreement Coefficient		1.1

M108

Russian Tube

Continuous Working

Appclation As Pump Generator Of Parametric Amplifier

Specifications	
Name	Value
Cathode Type	Indirect Heating
Mass, Kg	1.5
Cooling Method	Forced Air
Frequency Range	35350MHz
Frequency Range Minimum	35200MHz
Frequency Range Maximum	35500MHz
Output Power	5W
Frequency Pulling, Mhz	31
Filament Voltage, V	6.3
Filament Voltage, V Minimum	6
Filament Voltage, V Maximum	6.6
Filament Current, A	1.8
Filament Current, A Minimum	1.4
Filament Current, A Maximum	2.2
Anode Voltage, Kv	1.4
Anode Voltage, Kv Minimum	1.2
Anode Voltage, Kv Maximum	1.5
External Loading Agreement Coefficient	1.25

M305

Russian Tube

Continuous Working, Electronic Tuning

Application As Uhf Generator In Measuring Equipment

Specifications		
Name		Value
Cathode Type		Tungsten, Direct Heating
Envelope		Metal-Ceramic, Batched
Mass, Kg		1.6
Cooling Method		Air
Frequency Range		1605MHz
Frequency Range Minimum		1070MHz
Frequency Range Maximum		2140MHz
Output Power		0.65W
Tuning Transconductance		1.175MHz/A
Filament Voltage, V		2.4
Filament Current, A		2.6
Filament Current, A Minimum		2.2
Filament Current, A Maximum		3
Anode Voltage, Kv		1.9
Anode Voltage, Kv Minimum		1.8
Anode Voltage, Kv Maximum		1.95
External Loading Agreement Coefficient		1.3

M306

Russian Tube

Continuous Working, Electronic Tuning

Application As Uhf Generator In Measuring Equipment

Specifications		
Name		Value
Cathode Type		Tungsten, Direct Heating
Envelope		Metal-Ceramic, Batched
Mass, Kg		1.6
Cooling Method		Air
Frequency Range		937.5MHz
Frequency Range Minimum		625MHz
Frequency Range Maximum		1250MHz
Output Power		0.75W
Tuning Transconductance		0.675MHz/A
Filament Voltage, V		2.4
Filament Current, A		2.6
Filament Current, A Minimum		2.2
Filament Current, A Maximum		3
Anode Voltage, Kv		1.9
Anode Voltage, Kv Minimum		1.8
Anode Voltage, Kv Maximum		1.95
External Loading Agreement Coefficient		1.3

M307M

Russian Tube

Continuous Working, Electronic Tuning, Magnetically Shielded

Application As Low-Power Uhf Generator

Specifications		
Name		Value
Cathode Type		Tungsten, Direct Heating
Envelope		Metal-Ceramic, Batched
Mass, Kg		0.6
Cooling Method		Air
Frequency Range		4200MHz
Frequency Range Minimum		4000MHz
Frequency Range Maximum		4400MHz
Output Power		1.5W
Filament Voltage, V		2.4
Filament Current, A		2.5
Filament Current, A Minimum		2.2
Filament Current, A Maximum		2.85
Anode Voltage, Kv		1.2
Anode Voltage, Kv Minimum		1.085
Anode Voltage, Kv Maximum		1.26
External Loading Agreement Coefficient		1.1

M32

Russian Tube

Continuous Working

Application As Microwave Energy Source

Specifications	
Name	Value
Cathode Type	Tungsten, Direct Heating
Envelope	Metal, Not-Batched
Mass, Kg	2.5
Cooling Method	Forced Water
Frequency Range	11cm
Frequency Range Minimum	9.5cm
Frequency Range Maximum	12.5cm
Output Power	0.4kW
Frequency Pulling, Mhz	24
Filament Voltage, V	7.2
Filament Current, A	16.4
Filament Current, A Minimum	15.2
Filament Current, A Maximum	17.5
Anode Voltage, Kv	4.8
Anode Voltage, Kv Minimum	4.5
Anode Voltage, Kv Maximum	5
External Loading Agreement Coefficient	1.2

M80

Russian Tube

Continuous Working

Appclation As Pump Generator Of Parametric Amplifier

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Batched, Mechanical Tuning
Mass, Kg		1.6
Cooling Method		Forced Air
Frequency Range		18600MHz
Frequency Range Minimum		18525MHz
Frequency Range Maximum		18675MHz
Output Power		1W
Frequency Pulling, Mhz		15
Filament Voltage, V		5.3
Filament Voltage, V Minimum		5
Filament Voltage, V Maximum		5.5
Filament Current, A		1
Filament Current, A Minimum		0.2
Filament Current, A Maximum		1.8
Anode Voltage, Kv		0.475
Anode Voltage, Kv Minimum		0.4
Anode Voltage, Kv Maximum		0.55
External Loading Agreement Coefficient		1.15

M81

Russian Tube
Continuous Working
For Industrial Heating And Drying

Specifications	
Name	Value
Cathode Type	Direct Heating
Envelope	Not-Batched
Mass, Kg	6.5
Cooling Method	Forced Water
Frequency Range	1st 2375-2425 /2nd 2325-2375MHz
Output Power	5kW
Filament Voltage, V	10 to 16
Filament Current, A	32
Filament Current, A Minimum	28
Filament Current, A Maximum	36
Anode Voltage, Kv	6
External Loading Agreement Coefficient	1.1

M82

Russian Tube

Continuous Working

Application As Pump Generator Of Quantum Parametric Amplifier

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal, Batched, Mechanical Tuning
Mass, Kg	2
Cooling Method	Forced Air
Frequency Range	35395MHz
Frequency Range Minimum	35270MHz
Frequency Range Maximum	35520MHz
Output Power	4W
Frequency Pulling, Mhz	20
Filament Voltage, V	6.3
Filament Current, A	1.7
Filament Current, A Minimum	1.4
Filament Current, A Maximum	2
Anode Voltage, Kv	1.4
Anode Voltage, Kv Minimum	1.2
Anode Voltage, Kv Maximum	1.5
External Loading Agreement Coefficient	1.1

M83

Russian Tube

Continuous Working

Application As Pump Generator Of Quantum Parametric Amplifier

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Batched, Mechanical Tuning
Mass, Kg		2
Cooling Method		Water
Frequency Range		58500MHz
Frequency Range Minimum		58300MHz
Frequency Range Maximum		58700MHz
Output Power		2W
Frequency Pulling, Mhz		30
Tuning Transconductance		2MHz/mA
Filament Voltage, V		6.3
Filament Current, A		1.5
Filament Current, A Minimum		1
Filament Current, A Maximum		2
Anode Voltage, Kv		1.8
Anode Voltage, Kv Minimum		1.5
Anode Voltage, Kv Maximum		2
External Loading Agreement Coefficient		1.1

M86

Russian Tube

Continuous Working

Application In Microwave Ovens And Heater

Specifications	
Name	Value
Cathode Type	Direct Heating
Envelope	Metal-Glass-Ceramic
Mass, Kg	3.2
Cooling Method	Forced Air
Frequency Range	2375MHz
Frequency Range Minimum	2327.5MHz
Frequency Range Maximum	2422.5MHz
Output Power	1kW
Filament Voltage, V	3.9
Filament Voltage, V Minimum	3.4
Filament Voltage, V Maximum	4.3
Filament Current, A	20
Anode Voltage, Kv	3.5
Anode Voltage, Kv Minimum	3.1
Anode Voltage, Kv Maximum	3.9
External Loading Agreement Coefficient	4.25

M89

Russian Tube

Continuous Working

Application In Microwave Ovens And Heater

Specifications		
Name		Value
Cathode Type		Direct Heating
Envelope		Glass-Ceramic
Mass, Kg		7
Cooling Method		Forced Air
Frequency Range		2375MHz
Frequency Range Minimum		2325MHz
Frequency Range Maximum		2425MHz
Output Power		0.9kW
Filament Voltage, V		4
Filament Voltage, V Minimum		3.4
Filament Voltage, V Maximum		4.6
Anode Voltage, Kv		3.3
Anode Voltage, Kv Minimum		3.07
Anode Voltage, Kv Maximum		3.53
External Loading Agreement Coefficient		4.5

M90

Russian Tube

Continuous Working

Application In Microwave Ovens And Heater

Specifications		
Name		Value
Cathode Type		Direct Heating
Envelope		Glass-Ceramic
Mass, Kg		7
Cooling Method		Forced Air
Frequency Range		2375MHz
Frequency Range Minimum		2325MHz
Frequency Range Maximum		2425MHz
Output Power		1kW
Filament Voltage, V		4
Filament Voltage, V Minimum		3.4
Filament Voltage, V Maximum		4.6
Anode Voltage, Kv		3.3
Anode Voltage, Kv Minimum		3.07
Anode Voltage, Kv Maximum		3.53
External Loading Agreement Coefficient		4.5

M93

Russian Tube

Continuous Working

For Industrial Heating, Drying And Destruction Of Rocks

Specifications	
Name	Value
Cathode Type	Tungsten, Direct Heating
Envelope	Metal-Ceramic
Mass, Kg	10
Cooling Method	Forced Water
Frequency Range	915MHz
Frequency Range Minimum	905MHz
Frequency Range Maximum	925MHz
Output Power	25kW
Filament Voltage, V	10 to 14
Filament Current, A	97.5
Filament Current, A Minimum	90
Filament Current, A Maximum	105
Anode Voltage, Kv	12
External Loading Agreement Coefficient	3

M96

Russian Tube

Continuous Working

Apllication In Medical Equipment And Industrial Heating And Drying

Specifications		
Name		Value
Envelope		Metal-Ceramic
Mass, Kg		1.8
Cooling Method		Forced Air
Frequency Range		1st 2450-2498/2nd 2402-2450MHz
Output Power		180W
Filament Voltage, V		1.8
Filament Current, A		6.5
Anode Voltage, Kv		2
External Loading Agreement Coefficient		1.1

MI110

Russian Tube

Pulse

Oscillation Of Microwave Energy

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal, Not-Batched
Mass, Kg	4.8
Cooling Method	Forced Air
Frequency Range	570MHz
Frequency Range Minimum	565MHz
Frequency Range Maximum	575MHz
Output Power	200kW
Frequency Pulling, Mhz	2.5
Filament Voltage, V	6.3
Filament Current, A	2.2
Filament Current, A Minimum	2
Filament Current, A Maximum	2.4
Anode Voltage, Kv	27
External Loading Agreement Coefficient	1.1
Pulse Duration, Us	3
Space Factor Or Pulse Repeating Frequency	0.001
Space Factor Or Pulse Repeating Frequency Minimum	0.0006
Space Factor Or Pulse Repeating Frequency Maximum	0.0013

MI12

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Indirect Heating
Envelope		Metal, Batched
Mass, Kg		1.25
Cooling Method		Forced Air
Frequency Range		3060MHz
Frequency Range Minimum		3030MHz
Frequency Range Maximum		3090MHz
Output Power		100W
Frequency Pulling, Mhz		15
Filament Voltage, V		6.3
Filament Current, A		1.7
Filament Current, A Minimum		1.55
Filament Current, A Maximum		1.85
Anode Voltage, Kv		12 to 15
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		1
Space Factor Or Pulse Repeating Frequency		0.001

MI120

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal
Mass, Kg		0.8
Cooling Method		Natural
Frequency Range		2800MHz
Frequency Range Minimum		2770MHz
Frequency Range Maximum		2830MHz
Output Power		5.4W
Frequency Pulling, Mhz		15
Filament Voltage, V		6.3
Filament Current, A		1.5
Filament Current, A Minimum		1.3
Filament Current, A Maximum		1.6
Anode Voltage, Kv		5.3
Anode Voltage, Kv Minimum		4.5
Anode Voltage, Kv Maximum		6
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		0.6
Space Factor Or Pulse Repeating Frequency		900Hz

MI13

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Indirect Heating
Envelope		Metal, Batched
Mass, Kg		1.25
Cooling Method		Forced Air
Frequency Range		3000MHz
Frequency Range Minimum		2970MHz
Frequency Range Maximum		3030MHz
Output Power		100W
Frequency Pulling, Mhz		15
Filament Voltage, V		6.3
Filament Current, A		1.7
Filament Current, A Minimum		1.55
Filament Current, A Maximum		1.85
Anode Voltage, Kv		12 to 15
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		1
Space Factor Or Pulse Repeating Frequency		0.001

MI137

Russian Tube

Pulse

Application In Uhf Generators

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal, Not-Batched
Mass, Kg	1.9
Cooling Method	Forced Air
Frequency Range	1782.5MHz
Frequency Range Minimum	1765MHz
Frequency Range Maximum	1800MHz
Output Power	250W
Frequency Pulling, Mhz	5
Tuning Transconductance	0.15MHz/A
Filament Voltage, V	12.6
Filament Current, A	2.1
Filament Current, A Minimum	1.86
Filament Current, A Maximum	2.24
Anode Voltage, Kv	23.9
Anode Voltage, Kv Minimum	22.5
Anode Voltage, Kv Maximum	25.2
External Loading Agreement Coefficient	1.1
Pulse Duration, Us	0.85
Pulse Duration, Us Minimum	0.7
Pulse Duration, Us Maximum	1
Space Factor Or Pulse Repeating Frequency	1000Hz

MI14

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Indirect Heating
Envelope		Metal, Batched
Mass, Kg		1.25
Cooling Method		Forced Air
Frequency Range		2940MHz
Frequency Range Minimum		2910MHz
Frequency Range Maximum		2970MHz
Output Power		100W
Frequency Pulling, Mhz		15
Filament Voltage, V		6.3
Filament Current, A		1.7
Filament Current, A Minimum		1.55
Filament Current, A Maximum		1.85
Anode Voltage, Kv		12 to 15
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		1
Space Factor Or Pulse Repeating Frequency		0.001

MI15

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Indirect Heating
Envelope		Metal, Batched
Mass, Kg		1.25
Cooling Method		Forced Air
Frequency Range		2880MHz
Frequency Range Minimum		2850MHz
Frequency Range Maximum		2910MHz
Output Power		100W
Frequency Pulling, Mhz		15
Filament Voltage, V		6.3
Filament Current, A		1.7
Filament Current, A Minimum		1.55
Filament Current, A Maximum		1.85
Anode Voltage, Kv		12 to 15
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		1
Space Factor Or Pulse Repeating Frequency		0.001

MI1581

Russian Tube

Pulse

Application In Uhf Generators

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Batched
Mass, Kg		1.2
Cooling Method		Natural
Frequency Range		9375MHz
Frequency Range Minimum		9330MHz
Frequency Range Maximum		9420MHz
Output Power		7kw
Frequency Pulling, Mhz		15
Tuning Transconductance		2MHz/A
Filament Voltage, V		6.3
Filament Current, A		1.6
Filament Current, A Minimum		1.2
Filament Current, A Maximum		1.9
Anode Voltage, Kv		5.5
Anode Voltage, Kv Minimum		5
Anode Voltage, Kv Maximum		6
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		0.5
Space Factor Or Pulse Repeating Frequency		800Hz

MI16

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Indirect Heating
Envelope		Metal, Batched
Mass, Kg		1.25
Cooling Method		Forced Air
Frequency Range		2820MHz
Frequency Range Minimum		2790MHz
Frequency Range Maximum		2850MHz
Output Power		100W
Frequency Pulling, Mhz		15
Filament Voltage, V		6.3
Filament Current, A		1.7
Filament Current, A Minimum		1.55
Filament Current, A Maximum		1.85
Anode Voltage, Kv		12 to 15
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		1
Space Factor Or Pulse Repeating Frequency		0.001

MI258

Russian Tube

Pulse

Application In Uhf Generators

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Mass, Kg		3
Cooling Method		Forced Water
Frequency Range		36625Mhz
Frequency Range Minimum		36300Mhz
Frequency Range Maximum		36950Mhz
Output Power		270kW
Frequency Pulling, Mhz		80
Tuning Transconductance		0.8MHz/A
Filament Voltage, V		5.6
Filament Current, A		6.5
Anode Voltage, Kv		30
External Loading Agreement Coefficient		1.4
Pulse Duration, Us		0.4
Space Factor Or Pulse Repeating Frequency		0.0005

MI268

Russian Tube

Pulse

Application In Uhf Generators

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal
Mass, Kg		1.6
Cooling Method		Forced Air
Frequency Range		9375MHz
Frequency Range Minimum		9373MHz
Frequency Range Maximum		9377MHz
Output Power		20.5kW
Output Power Minimum		16kW
Output Power Maximum		25kW
Frequency Pulling, Mhz		12
Filament Voltage, V		6.3
Filament Current, A		2.1
Filament Current, A Minimum		1.9
Filament Current, A Maximum		2.2
Anode Voltage, Kv		7.3
Anode Voltage, Kv Minimum		7
Anode Voltage, Kv Maximum		7.5
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.3
Pulse Duration, Us Minimum		0.5
Pulse Duration, Us Maximum		4
Space Factor Or Pulse Repeating Frequency		416Hz

MI284

Russian Tube

Pulse

Application In Uhf Generators

Specifications	
Name	Value
Cathode Type	Indirect Heating
Envelope	Metal
Mass, Kg	4.5
Cooling Method	Forced Air
Frequency Range	14775MHz
Frequency Range Minimum	14725MHz
Frequency Range Maximum	14825MHz
Output Power	80kW
Frequency Pulling, Mhz	22
Tuning Transconductance	1.5MHz/A
Filament Voltage, V	6.3
Filament Current, A	4.5
Filament Current, A Minimum	4.1
Filament Current, A Maximum	4.9
Anode Voltage, Kv	14.5
Anode Voltage, Kv Minimum	14
Anode Voltage, Kv Maximum	15
External Loading Agreement Coefficient	1.5
Pulse Duration, Us	0.95
Pulse Duration, Us Minimum	0.4
Pulse Duration, Us Maximum	1.5
Space Factor Or Pulse Repeating Frequency	0
Space Factor Or Pulse Repeating Frequency Minimum	0.0002

Specifications	
Name	Value
Space Factor Or Pulse Repeating Frequency Maximum	0.0005

MI296A

Russian Tube

Pulse

Application In Navy Radars

Specifications	
Name	Value
Cathode Type	Impregnated, Indirect Heating
Envelope	Metal-Ceramic
Mass, Kg	1.55
Cooling Method	Natural
Frequency Range	9330MHz
Frequency Range Minimum	9305MHz
Frequency Range Maximum	9355MHz
Output Power	16kW
Frequency Pulling, Mhz	12
Filament Voltage, V	5.8
Filament Voltage, V Minimum	5.3
Filament Voltage, V Maximum	6.3
Filament Current, A	1.5A
Filament Current, A Minimum	1.4A
Filament Current, A Maximum	1.6A
Anode Voltage, Kv	7.2
Anode Voltage, Kv Minimum	6.8
Anode Voltage, Kv Maximum	7.5
External Loading Agreement Coefficient	1.1
Pulse Duration, Us	0.525
Pulse Duration, Us Minimum	0.05
Pulse Duration, Us Maximum	1
Space Factor Or Pulse Repeating Frequency	0.001

Specifications	
Name	Value
Space Factor Or Pulse Repeating Frequency Minimum	0.00014
Space Factor Or Pulse Repeating Frequency Maximum	0.001

MI29A

Russian Tube

Pulse

Oscillation Of High-Power Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating, Grid-Shaped
Envelope		Metal, Not-Batched
Mass, Kg		2.6
Cooling Method		Forced Air
Frequency Range		3248Mhz
Frequency Range Minimum		3233Mhz
Frequency Range Maximum		3263Mhz
Output Power		850W
Tuning Transconductance		0.3MHz/A
Filament Voltage, V		12.6
Filament Current, A		3.3
Filament Current, A Minimum		3
Filament Current, A Maximum		3.6
Anode Voltage, Kv		28
Anode Voltage, Kv Minimum		26
Anode Voltage, Kv Maximum		30
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.5
Space Factor Or Pulse Repeating Frequency		400Hz

MI29B1

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating, Grid-Shaped
Envelope		Metal, Not-Batched
Mass, Kg		2.6
Cooling Method		Forced Air
Frequency Range		3100MHz
Frequency Range Minimum		3085MHz
Frequency Range Maximum		3115MHz
Output Power		850W
Frequency Pulling, Mhz		10
Tuning Transconductance		0.3MHz/A
Filament Voltage, V		12.6
Filament Current, A		3.3
Filament Current, A Minimum		3
Filament Current, A Maximum		3.6
Anode Voltage, Kv		28
Anode Voltage, Kv Minimum		26
Anode Voltage, Kv Maximum		30
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.5
Space Factor Or Pulse Repeating Frequency		400Hz

MI29D

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating, Grid-Shaped
Envelope		Metal, Not-Batched
Mass, Kg		2.6
Cooling Method		Forced Air
Frequency Range		2830MHz
Frequency Range Minimum		2815MHz
Frequency Range Maximum		2845MHz
Output Power		900W
Frequency Pulling, Mhz		10
Tuning Transconductance		0.3MHz/A
Filament Voltage, V		12.6
Filament Current, A		3.3
Filament Current, A Minimum		3
Filament Current, A Maximum		3.6
Anode Voltage, Kv		28
Anode Voltage, Kv Minimum		26
Anode Voltage, Kv Maximum		30
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.5
Space Factor Or Pulse Repeating Frequency		400Hz

MI29E

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating, Grid-Shaped
Envelope		Metal, Not-Batched
Mass, Kg		2.6
Cooling Method		Forced Air
Frequency Range		2740MHz
Frequency Range Minimum		2725MHz
Frequency Range Maximum		2755MHz
Output Power		900W
Frequency Pulling, Mhz		10
Tuning Transconductance		0.3MHz/A
Filament Voltage, V		12.6
Filament Current, A		3.3
Filament Current, A Minimum		3
Filament Current, A Maximum		3.6
Anode Voltage, Kv		28
Anode Voltage, Kv Minimum		26
Anode Voltage, Kv Maximum		30
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.5
Space Factor Or Pulse Repeating Frequency		400Hz

MI29G

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating, Grid-Shaped
Envelope		Metal, Not-Batched
Mass, Kg		2.6
Cooling Method		Forced Air
Frequency Range		2979.5MHz
Frequency Range Minimum		2965MHz
Frequency Range Maximum		2994MHz
Output Power		900W
Frequency Pulling, Mhz		10
Tuning Transconductance		0.3MHz/A
Filament Voltage, V		12.6
Filament Current, A		3.3
Filament Current, A Minimum		3
Filament Current, A Maximum		3.6
Anode Voltage, Kv		28
Anode Voltage, Kv Minimum		26
Anode Voltage, Kv Maximum		30
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.5
Space Factor Or Pulse Repeating Frequency		400Hz

MI29M1B

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Not-Batched
Mass, Kg		2.6
Cooling Method		Forced Air
Frequency Range		3100MHz
Frequency Range Minimum		3085MHz
Frequency Range Maximum		3115MHz
Output Power		850W
Frequency Pulling, Mhz		10
Tuning Transconductance		0.3MHz/A
Filament Voltage, V		12.6
Filament Current, A		4.5
Filament Current, A Minimum		4
Filament Current, A Maximum		5
Anode Voltage, Kv		28
Anode Voltage, Kv Minimum		26
Anode Voltage, Kv Maximum		30
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.5
Space Factor Or Pulse Repeating Frequency		400Hz

MI29M1D

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Not-Batched
Mass, Kg		2.6
Cooling Method		Forced Air
Frequency Range		2830MHz
Frequency Range Minimum		2815MHz
Frequency Range Maximum		2845MHz
Output Power		900W
Frequency Pulling, Mhz		10
Tuning Transconductance		0.3MHz/A
Filament Voltage, V		12.6
Filament Current, A		4.5
Filament Current, A Minimum		4
Filament Current, A Maximum		5
Anode Voltage, Kv		28
Anode Voltage, Kv Minimum		26
Anode Voltage, Kv Maximum		30
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.5
Space Factor Or Pulse Repeating Frequency		400Hz

MI29M1E

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Not-Batched
Mass, Kg		2.6
Cooling Method		Forced Air
Frequency Range		2740MHz
Frequency Range Minimum		2725MHz
Frequency Range Maximum		2755MHz
Output Power		900W
Frequency Pulling, Mhz		10
Tuning Transconductance		0.3MHz/A
Filament Voltage, V		12.6
Filament Current, A		4.5
Filament Current, A Minimum		4
Filament Current, A Maximum		5
Anode Voltage, Kv		28
Anode Voltage, Kv Minimum		26
Anode Voltage, Kv Maximum		30
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.5
Space Factor Or Pulse Repeating Frequency		400Hz

MI29M1G

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Not-Batched
Mass, Kg		2.6
Cooling Method		Forced Air
Frequency Range		2979.5MHz
Frequency Range Minimum		2965MHz
Frequency Range Maximum		2994MHz
Output Power		900W
Frequency Pulling, Mhz		10
Tuning Transconductance		0.3MHz/A
Filament Voltage, V		12.6
Filament Current, A		4.5
Filament Current, A Minimum		4
Filament Current, A Maximum		5
Anode Voltage, Kv		28
Anode Voltage, Kv Minimum		26
Anode Voltage, Kv Maximum		30
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.5
Space Factor Or Pulse Repeating Frequency		400Hz

MI29M1V

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Not-Batched
Mass, Kg		2.6
Cooling Method		Forced Air
Frequency Range		3010MHz
Frequency Range Minimum		2995MHz
Frequency Range Maximum		3025MHz
Output Power		900W
Frequency Pulling, Mhz		10
Tuning Transconductance		0.3MHz/A
Filament Voltage, V		12.6
Filament Current, A		4.5
Filament Current, A Minimum		4
Filament Current, A Maximum		5
Anode Voltage, Kv		28
Anode Voltage, Kv Minimum		26
Anode Voltage, Kv Maximum		30
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.5
Space Factor Or Pulse Repeating Frequency		400Hz

MI29M1ZH

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Not-Batched
Mass, Kg		2.6
Cooling Method		Forced Air
Frequency Range		2709.5MHz
Frequency Range Minimum		2695MHz
Frequency Range Maximum		2724MHz
Output Power		900W
Frequency Pulling, Mhz		10
Tuning Transconductance		0.3MHz/A
Filament Voltage, V		12.6
Filament Current, A		4.5
Filament Current, A Minimum		4
Filament Current, A Maximum		5
Anode Voltage, Kv		28
Anode Voltage, Kv Minimum		26
Anode Voltage, Kv Maximum		30
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.5
Space Factor Or Pulse Repeating Frequency		400Hz

MI29MD

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Not-Batched
Mass, Kg		2.6
Cooling Method		Forced Air
Frequency Range		2830MHz
Frequency Range Minimum		2815MHz
Frequency Range Maximum		2845MHz
Output Power		900W
Frequency Pulling, Mhz		10
Tuning Transconductance		0.3MHz/A
Filament Voltage, V		12.6
Filament Current, A		3.3
Filament Current, A Minimum		3
Filament Current, A Maximum		3.6
Anode Voltage, Kv		28
Anode Voltage, Kv Minimum		26
Anode Voltage, Kv Maximum		30
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.5
Space Factor Or Pulse Repeating Frequency		400Hz

MI29ME

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Not-Batched
Mass, Kg		2.6
Cooling Method		Forced Air
Frequency Range		2740MHz
Frequency Range Minimum		2725MHz
Frequency Range Maximum		2755MHz
Output Power		900W
Frequency Pulling, Mhz		10
Tuning Transconductance		0.3MHz/A
Filament Voltage, V		12.6
Filament Current, A		3.3
Filament Current, A Minimum		3
Filament Current, A Maximum		3.6
Anode Voltage, Kv		28
Anode Voltage, Kv Minimum		26
Anode Voltage, Kv Maximum		30
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.5
Space Factor Or Pulse Repeating Frequency		400Hz

MI29MG

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Not-Batched
Mass, Kg		2.6
Cooling Method		Forced Air
Frequency Range		2979.5MHz
Frequency Range Minimum		2965MHz
Frequency Range Maximum		2994MHz
Output Power		900W
Frequency Pulling, Mhz		10
Tuning Transconductance		0.3MHz/A
Filament Voltage, V		12.6
Filament Current, A		3.3
Filament Current, A Minimum		3
Filament Current, A Maximum		3.6
Anode Voltage, Kv		28
Anode Voltage, Kv Minimum		26
Anode Voltage, Kv Maximum		30
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.5
Space Factor Or Pulse Repeating Frequency		400Hz

MI29MV

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Not-Batched
Mass, Kg		2.6
Cooling Method		Forced Air
Frequency Range		3010MHz
Frequency Range Minimum		2995MHz
Frequency Range Maximum		3025MHz
Output Power		900W
Frequency Pulling, Mhz		10
Tuning Transconductance		0.3MHz/A
Filament Voltage, V		12.6
Filament Current, A		3.3
Filament Current, A Minimum		3
Filament Current, A Maximum		3.6
Anode Voltage, Kv		28
Anode Voltage, Kv Minimum		26
Anode Voltage, Kv Maximum		30
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.5
Space Factor Or Pulse Repeating Frequency		400Hz

MI29MZH

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Not-Batched
Mass, Kg		2.6
Cooling Method		Forced Air
Frequency Range		2709.5MHz
Frequency Range Minimum		2695MHz
Frequency Range Maximum		2724MHz
Output Power		900W
Frequency Pulling, Mhz		10
Tuning Transconductance		0.3MHz/A
Filament Voltage, V		12.6
Filament Current, A		3.3
Filament Current, A Minimum		3
Filament Current, A Maximum		3.6
Anode Voltage, Kv		28
Anode Voltage, Kv Minimum		26
Anode Voltage, Kv Maximum		30
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.5
Space Factor Or Pulse Repeating Frequency		400Hz

MI29V

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating, Grid-Shaped
Envelope		Metal, Not-Batched
Mass, Kg		2.6
Cooling Method		Forced Air
Frequency Range		3010MHz
Frequency Range Minimum		2995MHz
Frequency Range Maximum		3025MHz
Output Power		900W
Frequency Pulling, Mhz		10
Tuning Transconductance		0.3MHz/A
Filament Voltage, V		12.6
Filament Current, A		3.3
Filament Current, A Minimum		3
Filament Current, A Maximum		3.6
Anode Voltage, Kv		28
Anode Voltage, Kv Minimum		26
Anode Voltage, Kv Maximum		30
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.5
Space Factor Or Pulse Repeating Frequency		400Hz

MI29ZH

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating, Grid-Shaped
Envelope		Metal, Not-Batched
Mass, Kg		2.6
Cooling Method		Forced Air
Frequency Range		2709.5MHz
Frequency Range Minimum		2695MHz
Frequency Range Maximum		2724MHz
Output Power		850W
Frequency Pulling, Mhz		10
Tuning Transconductance		0.3MHz/A
Filament Voltage, V		12.6
Filament Current, A		3.3
Filament Current, A Minimum		3
Filament Current, A Maximum		3.6
Anode Voltage, Kv		28
Anode Voltage, Kv Minimum		26
Anode Voltage, Kv Maximum		30
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		2.5
Space Factor Or Pulse Repeating Frequency		400Hz

MI316

Russian Tube

Pulse

Application In Meteorology Radars

Specifications		
Name		Value
Cathode Type		Indirect Heating
Envelope		Metal-Ceramic
Mass, Kg		13.5
Cooling Method		Forced Air
Frequency Range		9595MHz
Frequency Range Minimum		9580MHz
Frequency Range Maximum		9610MHz
Output Power		250kW
Frequency Pulling, Mhz		12
Tuning Transconductance		1MHz/A
Filament Voltage, V		12.6
Filament Current, A		4
Filament Current, A Minimum		3.5
Filament Current, A Maximum		4.5
Anode Voltage, Kv		23
Anode Voltage, Kv Minimum		21
Anode Voltage, Kv Maximum		25
External Loading Agreement Coefficient		1.2
External Loading Agreement Coefficient Minimum		1.1
External Loading Agreement Coefficient Maximum		1.3
Pulse Duration, Us		1
Space Factor Or Pulse Repeating Frequency		0.0005

MI320

Russian Tube

Pulse

Apllication As Uhf Generator In Industrial Equipment

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal-Ceramic, Not-Batched
Mass, Kg		70
Cooling Method		Forced Water
Frequency Range		1886MHz
Frequency Range Minimum		1883MHz
Frequency Range Maximum		1889MHz
Output Power		9-11kW/9-11MW in pulse
Frequency Pulling, Mhz		6
Filament Voltage, V		7.5
Filament Voltage, V Minimum		5
Filament Voltage, V Maximum		10
Filament Current, A		200
Filament Current, A Minimum		190
Filament Current, A Maximum		210
Anode Voltage, Kv		50
External Loading Agreement Coefficient		1.5
Pulse Duration, Us		5
Space Factor Or Pulse Repeating Frequency		200Hz

MI328

Russian Tube

Pulse

Application As High-Stable Driving Generator

Specifications	
Name	Value
Cathode Type	Oxide-Yttric, Indirect Heating
Envelope	Metal-Ceramic, Not-Batched, Mechanically Tunable
Mass, Kg	50
Cooling Method	Forced Water
Frequency Range	1818MHz
Frequency Range Minimum	1808MHz
Frequency Range Maximum	1828MHz
Output Power	22kW/6MW in pulse
Frequency Pulling, Mhz	5.5
Filament Voltage, V	10
Filament Current, A	155
Filament Current, A Minimum	130
Filament Current, A Maximum	180
Anode Voltage, Kv	42.5
Anode Voltage, Kv Minimum	35
Anode Voltage, Kv Maximum	50
External Loading Agreement Coefficient	1.3
Pulse Duration, Us	1.4
Pulse Duration, Us Minimum	0.5
Pulse Duration, Us Maximum	2.2
Space Factor Or Pulse Repeating Frequency	0.003

MI329

Russian Tube

Pulse

Appllication As Uhf Generator In Navy And Aircraft Equipment

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Batched
Mass, Kg		4
Cooling Method		Natural
Frequency Range		32300MHz
Frequency Range Minimum		32100MHz
Frequency Range Maximum		32500MHz
Output Power		35kW
Output Power Minimum		30kW
Output Power Maximum		40kW
Filament Voltage, V		6.3
Filament Current, A		2.3
Filament Current, A Minimum		2
Filament Current, A Maximum		2.5
Anode Voltage, Kv		14
External Loading Agreement Coefficient		1.15
Pulse Duration, Us		0.04
Space Factor Or Pulse Repeating Frequency		0.00016

MI338

Russian Tube

Pulse

Application As Uhf Generator In Mobile Equipment

Specifications	
Name	Value
Cathode Type	Indirect Heating
Envelope	Metal-Ceramic, Batched, Mechanically Tunable
Mass, Kg	1.2
Cooling Method	Natural
Frequency Range	1782MHz
Frequency Range Minimum	1767MHz
Frequency Range Maximum	1797MHz
Output Power	2kW
Output Power Minimum	1kW
Output Power Maximum	3kW
Frequency Pulling, Mhz	7
Filament Voltage, V	6.3
Filament Current, A	2.6
Filament Current, A Minimum	2.4
Filament Current, A Maximum	2.8
Anode Voltage, Kv	2.2kV
Anode Voltage, Kv Minimum	2kV
Anode Voltage, Kv Maximum	2.3kV
External Loading Agreement Coefficient	1.4
External Loading Agreement Coefficient Minimum	1.2
External Loading Agreement Coefficient Maximum	1.5
Pulse Duration, Us	0.5
Space Factor Or Pulse Repeating Frequency	455Hz

Specifications	
Name	Value
Space Factor Or Pulse Repeating Frequency Minimum	450Hz
Space Factor Or Pulse Repeating Frequency Maximum	460Hz

MI339

Russian Tube

Pulse

Application In Navigation Radars

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal-Ceramic
Mass, Kg	1.7
Cooling Method	Forced Air
Frequency Range	3060MHz
Frequency Range Minimum	3050MHz
Frequency Range Maximum	3070MHz
Output Power	25kW
Frequency Pulling, Mhz	10
Filament Voltage, V	6.3
Filament Current, A	2.6
Filament Current, A Minimum	2.4
Filament Current, A Maximum	2.8
Anode Voltage, Kv	7.7
External Loading Agreement Coefficient	1.35
Pulse Duration, Us	0.535
Pulse Duration, Us Minimum	0.07
Pulse Duration, Us Maximum	1
Space Factor Or Pulse Repeating Frequency	0.001
Space Factor Or Pulse Repeating Frequency Minimum	0.0002
Space Factor Or Pulse Repeating Frequency Maximum	0.001

MI345

Russian Tube

Pulse

Application As Generator

Specifications	
Name	Value
Cathode Type	Indirect Heating
Envelope	Metal-Ceramic, Batched, Magnetically Shielded, Mechanically Tunable
Mass, Kg	5.5
Cooling Method	Natural
Frequency Range	8850MHz
Frequency Range Minimum	8845MHz
Frequency Range Maximum	8855MHz
Output Power	550kW
Filament Voltage, V	6.3
Filament Current, A	5
Filament Current, A Minimum	4.5
Filament Current, A Maximum	5.5
Anode Voltage, Kv	28
Anode Voltage, Kv Minimum	26
Anode Voltage, Kv Maximum	30
External Loading Agreement Coefficient	1.1
Pulse Duration, Us	0.9
Pulse Duration, Us Minimum	0.8
Pulse Duration, Us Maximum	1
Space Factor Or Pulse Repeating Frequency	0
Space Factor Or Pulse Repeating Frequency Minimum	0.0001
Space Factor Or Pulse Repeating Frequency Maximum	0.00025

MI5001

Russian Tube

Pulse

Application As Uhf Generator

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Mass, Kg		3.05
Cooling Method		Forced Air
Frequency Range		9375MHz
Frequency Range Minimum		9200MHz
Frequency Range Maximum		9550MHz
Output Power		80W
Filament Voltage, V		6.3
Filament Current, A		1.8
Filament Current, A Minimum		1.6
Filament Current, A Maximum		2
Anode Voltage, Kv		12.5
Anode Voltage, Kv Minimum		11
Anode Voltage, Kv Maximum		14
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		1
Space Factor Or Pulse Repeating Frequency		1000Hz

MI501M

Russian Tube

Pulse

Application As Uhf Generator

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal
Mass, Kg		2.3
Cooling Method		Forced Air
Frequency Range		9430
Frequency Range Minimum		9400
Frequency Range Maximum		9460
Output Power		15kW
Frequency Pulling, Mhz		15
Filament Voltage, V		6.3
Filament Current, A		2.3
Filament Current, A Minimum		2
Filament Current, A Maximum		2.5
Anode Voltage, Kv		5.8
Anode Voltage, Kv Minimum		5.5
Anode Voltage, Kv Maximum		6
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		0.5
Space Factor Or Pulse Repeating Frequency		1600Hz

MI507

Russian Tube

Pulse

Application As Uhf Generator

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal
Mass, Kg		1.2
Cooling Method		Natural
Frequency Range		9430
Frequency Range Minimum		9400
Frequency Range Maximum		9460
Output Power		7kW
Frequency Pulling, Mhz		15
Tuning Transconductance		2MHz/A
Filament Voltage, V		6.3
Filament Current, A		1.8
Filament Current, A Minimum		1.6
Filament Current, A Maximum		1.9
Anode Voltage, Kv		6
Anode Voltage, Kv Minimum		5.5
Anode Voltage, Kv Maximum		6.5
External Loading Agreement Coefficient		1.3
External Loading Agreement Coefficient Minimum		1.1
External Loading Agreement Coefficient Maximum		1.5
Pulse Duration, Us		0.1
Space Factor Or Pulse Repeating Frequency		0.0004

MI51

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications	
Name	Value
Cathode Type	Indirect Heating
Envelope	Metal
Mass, Kg	0.6
Cooling Method	Forced Air
Frequency Range	9490MHz
Frequency Range Minimum	9460MHz
Frequency Range Maximum	9520MHz
Output Power	65W
Frequency Pulling, Mhz	15
Filament Voltage, V	6.3
Filament Current, A	1
Filament Current, A Minimum	0.9
Filament Current, A Maximum	1.1
Anode Voltage, Kv	12
Anode Voltage, Kv Minimum	11
Anode Voltage, Kv Maximum	13
External Loading Agreement Coefficient	1.1
Pulse Duration, Us	1
Space Factor Or Pulse Repeating Frequency	0
Space Factor Or Pulse Repeating Frequency Minimum	0.0001
Space Factor Or Pulse Repeating Frequency Maximum	0.0004

MI52

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications	
Name	Value
Cathode Type	Indirect Heating
Envelope	Metal
Mass, Kg	0.6
Cooling Method	Forced Air
Frequency Range	9429.5MHz
Frequency Range Minimum	9400MHz
Frequency Range Maximum	9459MHz
Output Power	65W
Frequency Pulling, Mhz	15
Filament Voltage, V	6.3
Filament Current, A	1
Filament Current, A Minimum	0.9
Filament Current, A Maximum	1.1
Anode Voltage, Kv	12
Anode Voltage, Kv Minimum	11
Anode Voltage, Kv Maximum	13
External Loading Agreement Coefficient	1.1
Pulse Duration, Us	1
Space Factor Or Pulse Repeating Frequency	0
Space Factor Or Pulse Repeating Frequency Minimum	0.0001
Space Factor Or Pulse Repeating Frequency Maximum	0.0004

MI53

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications	
Name	Value
Cathode Type	Indirect Heating
Envelope	Metal
Mass, Kg	0.6
Cooling Method	Forced Air
Frequency Range	9369.5MHz
Frequency Range Minimum	9340MHz
Frequency Range Maximum	9399MHz
Output Power	65W
Frequency Pulling, Mhz	15
Filament Voltage, V	6.3
Filament Current, A	1
Filament Current, A Minimum	0.9
Filament Current, A Maximum	1.1
Anode Voltage, Kv	12
Anode Voltage, Kv Minimum	11
Anode Voltage, Kv Maximum	13
External Loading Agreement Coefficient	1.1
Pulse Duration, Us	1
Space Factor Or Pulse Repeating Frequency	0
Space Factor Or Pulse Repeating Frequency Minimum	0.0001
Space Factor Or Pulse Repeating Frequency Maximum	0.0004

MI531

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications		
Name		Value
Cathode Type		Indirect Heating
Mass, Kg		0.57
Cooling Method		Forced Air
Frequency Range		9375
Frequency Range Minimum		9345
Frequency Range Maximum		9405
Output Power		50W
Frequency Pulling, Mhz		15
Filament Voltage, V		6.3
Filament Current, A		1
Filament Current, A Minimum		0.9
Filament Current, A Maximum		1.1
Anode Voltage, Kv		12
Anode Voltage, Kv Minimum		11
Anode Voltage, Kv Maximum		13
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		1
Space Factor Or Pulse Repeating Frequency		1000Hz

MI54

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications	
Name	Value
Cathode Type	Indirect Heating
Envelope	Metal
Mass, Kg	0.6
Cooling Method	Forced Air
Frequency Range	9309.5MHz
Frequency Range Minimum	9280MHz
Frequency Range Maximum	9339MHz
Output Power	65W
Frequency Pulling, Mhz	15
Filament Voltage, V	6.3
Filament Current, A	1
Filament Current, A Minimum	0.9
Filament Current, A Maximum	1.1
Anode Voltage, Kv	12
Anode Voltage, Kv Minimum	11
Anode Voltage, Kv Maximum	13
External Loading Agreement Coefficient	1.1
Pulse Duration, Us	1
Space Factor Or Pulse Repeating Frequency	0
Space Factor Or Pulse Repeating Frequency Minimum	0.0001
Space Factor Or Pulse Repeating Frequency Maximum	0.0004

MI55

Russian Tube

Pulse

Oscillation Of Microwave Pulses

Specifications	
Name	Value
Cathode Type	Indirect Heating
Envelope	Metal
Mass, Kg	0.6
Cooling Method	Forced Air
Frequency Range	9249.5MHz
Frequency Range Minimum	9220MHz
Frequency Range Maximum	9279MHz
Output Power	65W
Frequency Pulling, Mhz	15
Filament Voltage, V	6.3
Filament Current, A	1
Filament Current, A Minimum	0.9
Filament Current, A Maximum	1.1
Anode Voltage, Kv	12
Anode Voltage, Kv Minimum	11
Anode Voltage, Kv Maximum	13
External Loading Agreement Coefficient	1.1
Pulse Duration, Us	1
Space Factor Or Pulse Repeating Frequency	0
Space Factor Or Pulse Repeating Frequency Minimum	0.0001
Space Factor Or Pulse Repeating Frequency Maximum	0.0004

MI841A

Russian Tube

Pulse

Application As Microwave Generator

Specifications		
Name		Value
Cathode Type		Impregnated, Indirect Heating
Envelope		Metal, Batched
Mass, Kg		16.3
Cooling Method		Natural
Frequency Range		9490MHz
Frequency Range Minimum		9460MHz
Frequency Range Maximum		9520MHz
Output Power		275kW
Output Power Minimum		250kW
Output Power Maximum		300kW
Frequency Pulling, Mhz		18
Tuning Transconductance		0.5MHz/A
Filament Voltage, V		3.5
Filament Current, A		3.7
Filament Current, A Minimum		3.2
Filament Current, A Maximum		4.2
Anode Voltage, Kv		23
Anode Voltage, Kv Minimum		20
Anode Voltage, Kv Maximum		26
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		1
Space Factor Or Pulse Repeating Frequency		0.000835

MI841B

Russian Tube

Pulse

Application As Microwave Generator

Specifications		
Name		Value
Cathode Type		Impregnated, Indirect Heating
Envelope		Metal, Batched
Mass, Kg		16.3
Cooling Method		Natural
Frequency Range		9425MHz
Frequency Range Minimum		9400MHz
Frequency Range Maximum		9450MHz
Output Power		275kW
Output Power Minimum		250kW
Output Power Maximum		300kW
Frequency Pulling, Mhz		18
Tuning Transconductance		0.5MHz/A
Filament Voltage, V		3.5
Filament Current, A		3.7
Filament Current, A Minimum		3.2
Filament Current, A Maximum		4.2
Anode Voltage, Kv		23
Anode Voltage, Kv Minimum		20
Anode Voltage, Kv Maximum		26
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		1
Space Factor Or Pulse Repeating Frequency		0.000835

MI841D

Russian Tube

Pulse

Application As Microwave Generator

Specifications		
Name		Value
Cathode Type		Impregnated, Indirect Heating
Envelope		Metal, Batched
Mass, Kg		16.3
Cooling Method		Natural
Frequency Range		9250MHz
Frequency Range Minimum		9220MHz
Frequency Range Maximum		9280MHz
Output Power		275kW
Output Power Minimum		250kW
Output Power Maximum		300kW
Frequency Pulling, Mhz		18
Tuning Transconductance		0.5MHz/A
Filament Voltage, V		3.5
Filament Current, A		3.7
Filament Current, A Minimum		3.2
Filament Current, A Maximum		4.2
Anode Voltage, Kv		23
Anode Voltage, Kv Minimum		20
Anode Voltage, Kv Maximum		26
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		1
Space Factor Or Pulse Repeating Frequency		0.000835

MI841E

Russian Tube

Pulse

Application As Microwave Generator

Specifications		
Name		Value
Cathode Type		Impregnated, Indirect Heating
Envelope		Metal, Batched
Mass, Kg		16.3
Cooling Method		Natural
Frequency Range		9190MHz
Frequency Range Minimum		9160MHz
Frequency Range Maximum		9220MHz
Output Power		275kW
Output Power Minimum		250kW
Output Power Maximum		300kW
Frequency Pulling, Mhz		18
Tuning Transconductance		0.5MHz/A
Filament Voltage, V		3.5
Filament Current, A		3.7
Filament Current, A Minimum		3.2
Filament Current, A Maximum		4.2
Anode Voltage, Kv		23
Anode Voltage, Kv Minimum		20
Anode Voltage, Kv Maximum		26
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		1
Space Factor Or Pulse Repeating Frequency		0.000835

MI841G

Russian Tube

Pulse

Application As Microwave Generator

Specifications		
Name		Value
Cathode Type		Impregnated, Indirect Heating
Envelope		Metal, Batched
Mass, Kg		16.3
Cooling Method		Natural
Frequency Range		9310MHz
Frequency Range Minimum		9280MHz
Frequency Range Maximum		9340MHz
Output Power		275kW
Output Power Minimum		250kW
Output Power Maximum		300kW
Frequency Pulling, Mhz		18
Tuning Transconductance		0.5MHz/A
Filament Voltage, V		3.5
Filament Current, A		3.7
Filament Current, A Minimum		3.2
Filament Current, A Maximum		4.2
Anode Voltage, Kv		23
Anode Voltage, Kv Minimum		20
Anode Voltage, Kv Maximum		26
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		1
Space Factor Or Pulse Repeating Frequency		0.000835

MI841V

Russian Tube

Pulse

Application As Microwave Generator

Specifications		
Name		Value
Cathode Type		Impregnated, Indirect Heating
Envelope		Metal, Batched
Mass, Kg		16.3
Cooling Method		Natural
Frequency Range		9370Mhz
Frequency Range Minimum		9340Mhz
Frequency Range Maximum		9400Mhz
Output Power		275kW
Output Power Minimum		250kW
Output Power Maximum		300kW
Frequency Pulling, Mhz		18
Tuning Transconductance		0.5MHz/A
Filament Voltage, V		3.5
Filament Current, A		3.7
Filament Current, A Minimum		3.2
Filament Current, A Maximum		4.2
Anode Voltage, Kv		23
Anode Voltage, Kv Minimum		20
Anode Voltage, Kv Maximum		26
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		1
Space Factor Or Pulse Repeating Frequency		0.000835

MI84A

Russian Tube

Pulse

Application As Microwave Generator

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Batched
Mass, Kg		13
Cooling Method		Forced Air
Frequency Range		9490MHz
Frequency Range Minimum		9460MHz
Frequency Range Maximum		9520MHz
Output Power		275kW
Output Power Minimum		250kW
Output Power Maximum		300kW
Frequency Pulling, Mhz		15
Tuning Transconductance		0.5MHz/A
Filament Voltage, V		12.6
Filament Current, A		4.5
Filament Current, A Minimum		4.4
Filament Current, A Maximum		4.5
Anode Voltage, Kv		24
Anode Voltage, Kv Minimum		22
Anode Voltage, Kv Maximum		26
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		1

MI84B

Russian Tube

Pulse

Application As Microwave Generator

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Batched
Mass, Kg		13
Cooling Method		Forced Air
Frequency Range		9425MHz
Frequency Range Minimum		9400MHz
Frequency Range Maximum		9450MHz
Output Power		275kW
Output Power Minimum		250kW
Output Power Maximum		300kW
Frequency Pulling, Mhz		15
Tuning Transconductance		0.5MHz/A
Filament Voltage, V		12.6
Filament Current, A		4.5
Filament Current, A Minimum		4.4
Filament Current, A Maximum		4.5
Anode Voltage, Kv		24
Anode Voltage, Kv Minimum		22
Anode Voltage, Kv Maximum		26
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		1

MI84D

Russian Tube

Pulse

Application As Microwave Generator

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Batched
Mass, Kg		13
Cooling Method		Forced Air
Frequency Range		9250MHz
Frequency Range Minimum		9220MHz
Frequency Range Maximum		9280MHz
Output Power		275kW
Output Power Minimum		250kW
Output Power Maximum		300kW
Frequency Pulling, Mhz		15
Tuning Transconductance		0.5MHz/A
Filament Voltage, V		12.6
Filament Current, A		4.5
Filament Current, A Minimum		4.4
Filament Current, A Maximum		4.5
Anode Voltage, Kv		24
Anode Voltage, Kv Minimum		22
Anode Voltage, Kv Maximum		26
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		1

MI84E

Russian Tube

Pulse

Application As Microwave Generator

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal, Batched
Mass, Kg	13
Cooling Method	Forced Air
Frequency Range	9190MHz
Frequency Range Minimum	9160MHz
Frequency Range Maximum	9220MHz
Output Power	275kW
Output Power Minimum	250kW
Output Power Maximum	300kW
Frequency Pulling, Mhz	15
Tuning Transconductance	0.5MHz/A
Filament Voltage, V	12.6
Filament Current, A	4.5
Filament Current, A Minimum	4.4
Filament Current, A Maximum	4.5
Anode Voltage, Kv	24
Anode Voltage, Kv Minimum	22
Anode Voltage, Kv Maximum	26
External Loading Agreement Coefficient	1.1
Pulse Duration, Us	1

MI84G

Russian Tube

Pulse

Application As Microwave Generator

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Batched
Mass, Kg		13
Cooling Method		Forced Air
Frequency Range		9310MHz
Frequency Range Minimum		9280MHz
Frequency Range Maximum		9340MHz
Output Power		275kW
Output Power Minimum		250kW
Output Power Maximum		300kW
Frequency Pulling, Mhz		15
Tuning Transconductance		0.5MHz/A
Filament Voltage, V		12.6
Filament Current, A		4.5
Filament Current, A Minimum		4.4
Filament Current, A Maximum		4.5
Anode Voltage, Kv		24
Anode Voltage, Kv Minimum		22
Anode Voltage, Kv Maximum		26
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		1

MI84V

Russian Tube

Pulse

Application As Microwave Generator

Specifications		
Name		Value
Cathode Type		Oxide, Indirect Heating
Envelope		Metal, Batched
Mass, Kg		13
Cooling Method		Forced Air
Frequency Range		9370Mhz
Frequency Range Minimum		9340Mhz
Frequency Range Maximum		9400Mhz
Output Power		275kW
Output Power Minimum		250kW
Output Power Maximum		300kW
Frequency Pulling, Mhz		15
Tuning Transconductance		0.5MHz/A
Filament Voltage, V		12.6
Filament Current, A		4.5
Filament Current, A Minimum		4.4
Filament Current, A Maximum		4.5
Anode Voltage, Kv		24
Anode Voltage, Kv Minimum		22
Anode Voltage, Kv Maximum		26
External Loading Agreement Coefficient		1.1
Pulse Duration, Us		1

MI88M

Russian Tube Pulse

Oscillation Of Microwave Pulses On Fixed Frequency

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating
Envelope	Metal
Mass, Kg	7.5
Cooling Method	Natural
Frequency Range	36782.5MHz
Frequency Range Minimum	36415MHz
Frequency Range Maximum	37150MHz
Output Power	28kW
Frequency Pulling, Mhz	60
Tuning Transconductance	5MHz/A
Filament Voltage, V	6.3
Filament Current, A	2.9
Filament Current, A Minimum	2.2
Filament Current, A Maximum	3.5
Anode Voltage, Kv	13
Anode Voltage, Kv Minimum	11
Anode Voltage, Kv Maximum	15
External Loading Agreement Coefficient	1.5
Pulse Duration, Us	0.11
Pulse Duration, Us Minimum	0.07
Pulse Duration, Us Maximum	0.15
Space Factor Or Pulse Repeating Frequency	4.5kHz
Space Factor Or Pulse Repeating Frequency Minimum	3kHz

Specifications	
Name	Value
Space Factor Or Pulse Repeating Frequency Maximum	6kHz

MT1

Russian Tube

Continuous Working, Electronic Tuning

Application As Low-Power Uhf Generator

Specifications	
Name	Value
Cathode Type	Direct Heating
Envelope	Metal-Ceramic, Batched
Mass, Kg	0.6
Cooling Method	Air
Frequency Range	2000MHz
Frequency Range Minimum	1900MHz
Frequency Range Maximum	2100MHz
Output Power	0.8W
Filament Voltage, V	2.4
Filament Current, A	3
Anode Voltage, Kv	0.86
Anode Voltage, Kv Minimum	0.76
Anode Voltage, Kv Maximum	0.96
External Loading Agreement Coefficient	1.3