

OV1

Russian Tube

Backward Wave Tubes

Application in measuring equipment

Specifications	
Name	Value
Cathode Type	Oxide, Sintered, Indirect Heating
Output Type	Waveguide
Envelope	Glass, Electromagnetic Focusing System
Mass	48g
Cooling Method	Forced Air
Frequency Range	3.8cm
Frequency Range Minimum	2.95cm
Frequency Range Maximum	4.6cm
Power Irregularity In Frequency Band, Db	9
Output Power	15mW
Filament Voltage, V	6.3
Filament Current, A	0.6
Filament Current, A Minimum	0.4
Filament Current, A Maximum	0.8
First Anode Voltage, V	230
First Anode Voltage, V Minimum	160
First Anode Voltage, V Maximum	300
Collector Voltage, V	1275
Collector Voltage, V Minimum	500
Collector Voltage, V Maximum	2050
External Loading Agreement Coefficient	1.2

OV12

Russian Tube

Backward Wave Tubes

Used as signal source in measuring equipment

Specifications		
Name		Value
Cathode Type		Impregnated, Indirect Heating
Output Type		Waveguide
Envelope		Metal-Ceramic, With Permanent Magnet
Mass		5kg
Cooling Method		Forced Air
Frequency Range		5.8cm
Frequency Range Minimum		5.6cm
Frequency Range Maximum		6cm
Output Power		8mw
Filament Voltage, V		5
Filament Current, A		2
First Anode Voltage, V		250
First Anode Voltage, V Minimum		100
First Anode Voltage, V Maximum		400
Slow-Wave Circuit Voltage, V		975
Slow-Wave Circuit Voltage, V Minimum		500
Slow-Wave Circuit Voltage, V Maximum		1450

OV13

Russian Tube

Backward Wave Tubes

Used as signal source in measuring equipment

Specifications	
Name	Value
Cathode Type	Impregnated, Indirect Heating
Output Type	Waveguide
Envelope	Metal-Ceramic, With Permanent Magnet
Mass	5kg
Cooling Method	Forced Air
Frequency Range	4.7cm
Frequency Range Minimum	3.7cm
Frequency Range Maximum	5.7cm
Output Power	5mW
Filament Voltage, V	5
Filament Current, A	2
First Anode Voltage, V	250
First Anode Voltage, V Minimum	100
First Anode Voltage, V Maximum	400
Slow-Wave Circuit Voltage, V	975
Slow-Wave Circuit Voltage, V Minimum	500
Slow-Wave Circuit Voltage, V Maximum	1450

OV14

Russian Tube

Backward Wave Tubes

Used as signal source in measuring equipment

Specifications		
Name		Value
Cathode Type		Impregnated, Indirect Heating
Output Type		Waveguide
Envelope		Metal-Ceramic, With Permanent Magnet
Mass		5kg
Cooling Method		Forced Air
Frequency Range		3.4cm
Frequency Range Minimum		3cm
Frequency Range Maximum		3.8cm
Output Power		5mW
Filament Voltage, V		5
Filament Current, A		2
First Anode Voltage, V		250
First Anode Voltage, V Minimum		100
First Anode Voltage, V Maximum		400
Slow-Wave Circuit Voltage, V		975
Slow-Wave Circuit Voltage, V Minimum		500
Slow-Wave Circuit Voltage, V Maximum		1450

OV19

Russian Tube

Backward Wave Tubes

Used as heterodyne and low-power generator in measuring equipment

Specifications	
Name	Value
Cathode Type	Pressed, Tungsten, Indirect Heating
Output Type	Coaxial
Envelope	Glass, With Permanent Magnet
Mass	2.5kg
Cooling Method	Natural
Frequency Range	8350MHz
Frequency Range Minimum	6530MHz
Frequency Range Maximum	10170MHz
Power Irregularity In Frequency Band, Db	8.5
Output Power	25mW
Filament Voltage, V	6.3
Filament Current, A	4
First Anode Voltage, V	185
First Anode Voltage, V Minimum	70
First Anode Voltage, V Maximum	300
Slow-Wave Circuit Voltage, V	600
Slow-Wave Circuit Voltage, V Minimum	200
Slow-Wave Circuit Voltage, V Maximum	1000
External Loading Agreement Coefficient	1.7

OV2

Russian Tube

Backward Wave Tubes

Application in measuring equipment

Specifications	
Name	Value
Cathode Type	Oxide, Sintered, Indirect Heating
Output Type	Waveguide
Envelope	Glass, Electromagnetic Focusing System
Mass	50g
Cooling Method	Forced Air
Frequency Range	5.6cm
Frequency Range Minimum	4.4cm
Frequency Range Maximum	6.8cm
Power Irregularity In Frequency Band, Db	9
Output Power	20mW
Filament Voltage, V	6.3
Filament Current, A	0.6
Filament Current, A Minimum	0.4
Filament Current, A Maximum	0.8
First Anode Voltage, V	200
First Anode Voltage, V Minimum	100
First Anode Voltage, V Maximum	300
Collector Voltage, V	1250
Collector Voltage, V Minimum	500
Collector Voltage, V Maximum	2000
External Loading Agreement Coefficient	1.2

OV20

Russian Tube

Backward Wave Tubes

Used as heterodyne and low-power generator in measuring equipment

Specifications	
Name	Value
Cathode Type	Pressed, Tungsten, Indirect Heating
Output Type	Coaxial
Envelope	Glass, With Permanent Magnet
Mass	2.5kg
Cooling Method	Natural
Frequency Range	5700MHz
Frequency Range Minimum	4420MHz
Frequency Range Maximum	6980MHz
Power Irregularity In Frequency Band, Db	8
Output Power	45mW
Filament Voltage, V	6.3
Filament Current, A	4
First Anode Voltage, V	185
First Anode Voltage, V Minimum	70
First Anode Voltage, V Maximum	300
Slow-Wave Circuit Voltage, V	600
Slow-Wave Circuit Voltage, V Minimum	200
Slow-Wave Circuit Voltage, V Maximum	1000
External Loading Agreement Coefficient	1.7

OV21

Russian Tube

Backward Wave Tubes

Application in measuring equipment

Specifications	
Name	Value
Cathode Type	Impregnated, Indirect Heating
Output Type	Waveguide
Envelope	Metal-Ceramic, With Permanent Magnet
Mass	12.7kg
Cooling Method	Forced Water
Frequency Range	1.6cm
Frequency Range Minimum	1.5cm
Frequency Range Maximum	1.66cm
Power Irregularity In Frequency Band, Db	14
Output Power	0.5mW
Filament Voltage, V	6.3
Filament Current, A	2
Slow-Wave Circuit Voltage, V	2250
Slow-Wave Circuit Voltage, V Minimum	1500
Slow-Wave Circuit Voltage, V Maximum	3000

OV22

Russian Tube

Backward Wave Tubes

Used as signal source in lab measuring equipment

Specifications	
Name	Value
Cathode Type	Impregnated, Indirect Heating
Output Type	Waveguide
Envelope	Metal-Ceramic, With Permanent Magnet
Mass	10kg
Cooling Method	Forced Water
Frequency Range	2.1cm
Frequency Range Minimum	1.65cm
Frequency Range Maximum	2.55cm
Power Irregularity In Frequency Band, Db	13
Output Power	1.2mw
Filament Voltage, V	6.3
Filament Current, A	2
Slow-Wave Circuit Voltage, V	2500
Slow-Wave Circuit Voltage, V Minimum	1000
Slow-Wave Circuit Voltage, V Maximum	4000

OV24

Russian Tube

Backward Wave Tubes

Used as signal source in lab measuring equipment

Specifications	
Name	Value
Cathode Type	Impregnated, Indirect Heating
Output Type	Waveguide
Envelope	Metal-Ceramic
Mass	300g
Cooling Method	Forced Water
Frequency Range	1.4cm
Frequency Range Minimum	1.14cm
Frequency Range Maximum	1.67cm
Power Irregularity In Frequency Band, Db	13
Output Power	1mW
Filament Voltage, V	6
Filament Voltage, V Minimum	4.5
Filament Voltage, V Maximum	7.5
Filament Current, A	2
Slow-Wave Circuit Voltage, V	2500
Slow-Wave Circuit Voltage, V Minimum	1000
Slow-Wave Circuit Voltage, V Maximum	4000

OV30

Russian Tube

Backward Wave Tubes

Used as signal source in lab measuring equipment

Specifications	
Name	Value
Cathode Type	Impregnated, Indirect Heating
Output Type	Waveguide
Envelope	Metal-Ceramic
Mass	300g
Cooling Method	Forced Water
Frequency Range	0.98cm
Frequency Range Minimum	0.8cm
Frequency Range Maximum	1.16cm
Power Irregularity In Frequency Band, Db	13
Output Power	1mW
Filament Voltage, V	6
Filament Voltage, V Minimum	4.5
Filament Voltage, V Maximum	7.5
Filament Current, A	2
Slow-Wave Circuit Voltage, V	2500
Slow-Wave Circuit Voltage, V Minimum	1000
Slow-Wave Circuit Voltage, V Maximum	4000

OV32

Russian Tube

Backward Wave Tubes

Used as signal source in lab measuring equipment

Specifications	
Name	Value
Cathode Type	Tungsten-Baric, Impregnated, Indirect Heating
Output Type	Waveguide
Envelope	Metal-Ceramic
Mass	300g
Cooling Method	Forced Water
Frequency Range	0.685cm
Frequency Range Minimum	0.56cm
Frequency Range Maximum	0.81cm
Power Irregularity In Frequency Band, Db	13
Output Power	0.6mW
Filament Voltage, V	3
Filament Current, A	2
Slow-Wave Circuit Voltage, V	3000
Slow-Wave Circuit Voltage, V Minimum	1000
Slow-Wave Circuit Voltage, V Maximum	5000

OV33

Russian Tube

Backward Wave Tubes

Used as electronically tunable UHF source in measuring equipment

Specifications	
Name	Value
Cathode Type	Tungsten-Baric, Indirect Heating
Output Type	Coaxial
Envelope	Metal-Ceramic, With Shielded Permanent Magnet
Mass	1.85kg
Cooling Method	Natural
Frequency Range	6925MHz
Frequency Range Minimum	5550MHz
Frequency Range Maximum	8300MHz
Power Irregularity In Frequency Band, Db	8
Output Power	60mW
Filament Voltage, V	6.3
Filament Current, A	0.85
Filament Current, A Minimum	0.6
Filament Current, A Maximum	1.1
First Anode Voltage, V	200
First Anode Voltage, V Minimum	100
First Anode Voltage, V Maximum	300
Slow-Wave Circuit Voltage, V	1100
Slow-Wave Circuit Voltage, V Minimum	400
Slow-Wave Circuit Voltage, V Maximum	1800
External Loading Agreement Coefficient	1.7

OV38

Russian Tube
Backward Wave Tubes
Used as electronically tunable UHF source

Specifications	
Name	Value
Cathode Type	Pressed, Tungsten, Indirect Heating
Output Type	Coaxial
Envelope	Metal-Ceramic, With Shielded Permanent Magnet
Mass	1.35kg
Cooling Method	Natural
Frequency Range	9635MHz
Frequency Range Minimum	6850MHz
Frequency Range Maximum	12420MHz
Power Irregularity In Frequency Band, Db	8.5
Output Power	30mW
Tuning Transconductance	14MHz/V
Filament Voltage, V	6.3
Filament Current, A	1.1
Filament Current, A Minimum	0.7
Filament Current, A Maximum	1.5
First Anode Voltage, V	225
First Anode Voltage, V Minimum	150
First Anode Voltage, V Maximum	300
Slow-Wave Circuit Voltage, V	1010
Slow-Wave Circuit Voltage, V Minimum	270
Slow-Wave Circuit Voltage, V Maximum	1750
External Loading Agreement Coefficient	1.7

OV38A

Russian Tube

Backward Wave Tubes

Used as electronically tunable UHF source

Specifications	
Name	Value
Cathode Type	Pressed, Tungsten, Indirect Heating
Output Type	Coaxial
Envelope	Metal-Ceramic, With Shielded Permanent Magnet
Mass	1.35kg
Cooling Method	Natural
Frequency Range	9500MHz
Frequency Range Minimum	6580MHz
Frequency Range Maximum	12420MHz
Power Irregularity In Frequency Band, Db	10
Output Power	30mW
Tuning Transconductance	16MHz/V
Filament Voltage, V	6.3
Filament Current, A	1.1
Filament Current, A Minimum	0.7
Filament Current, A Maximum	1.5
First Anode Voltage, V	225
First Anode Voltage, V Minimum	150
First Anode Voltage, V Maximum	300
Slow-Wave Circuit Voltage, V	997.5
Slow-Wave Circuit Voltage, V Minimum	245
Slow-Wave Circuit Voltage, V Maximum	1750
External Loading Agreement Coefficient	1.7

OV38B

Russian Tube

Backward Wave Tubes

Used as electronically tunable UHF source

Specifications	
Name	Value
Cathode Type	Pressed, Tungsten, Indirect Heating
Output Type	Coaxial
Envelope	Metal-Ceramic, With Shielded Permanent Magnet
Mass	1.35kg
Cooling Method	Natural
Frequency Range	10285MHz
Frequency Range Minimum	8150MHz
Frequency Range Maximum	12420MHz
Power Irregularity In Frequency Band, Db	6
Output Power	50mW
Tuning Transconductance	10MHz/V
Filament Voltage, V	6.3
Filament Current, A	1.1
Filament Current, A Minimum	0.7
Filament Current, A Maximum	1.5
First Anode Voltage, V	225
First Anode Voltage, V Minimum	150
First Anode Voltage, V Maximum	300
Slow-Wave Circuit Voltage, V	1075
Slow-Wave Circuit Voltage, V Minimum	400
Slow-Wave Circuit Voltage, V Maximum	1750
External Loading Agreement Coefficient	1.7

OV38V

Russian Tube

Backward Wave Tubes

Used as electronically tunable UHF source

Specifications	
Name	Value
Cathode Type	Pressed, Tungsten, Indirect Heating
Output Type	Coaxial
Envelope	Metal-Ceramic, With Shielded Permanent Magnet
Mass	1.35kg
Cooling Method	Natural
Frequency Range	8742.5MHz
Frequency Range Minimum	7140MHz
Frequency Range Maximum	10345MHz
Power Irregularity In Frequency Band, Db	7
Output Power	40mW
Tuning Transconductance	14MHz/V
Filament Voltage, V	6.3
Filament Current, A	1.1
Filament Current, A Minimum	0.7
Filament Current, A Maximum	1.5
First Anode Voltage, V	225
First Anode Voltage, V Minimum	150
First Anode Voltage, V Maximum	300
Slow-Wave Circuit Voltage, V	1025
Slow-Wave Circuit Voltage, V Minimum	300
Slow-Wave Circuit Voltage, V Maximum	1750
External Loading Agreement Coefficient	1.7

OV41

Russian Tube
Backward Wave Tubes
Used as generator in measuring equipment

Specifications	
Name	Value
Cathode Type	Pressed, Tungsten, Indirect Heating
Output Type	Coaxial
Envelope	Metal-Ceramic, With Shielded Permanent Magnet
Mass	2kg
Cooling Method	Natural
Frequency Range	3750MHz
Frequency Range Minimum	2500MHz
Frequency Range Maximum	5000MHz
Power Irregularity In Frequency Band, Db	8
Output Power	60mW
Tuning Transconductance	7MHz/V
Filament Voltage, V	6.3
Filament Current, A	1.1
Filament Current, A Minimum	0.8
Filament Current, A Maximum	1.3
First Anode Voltage, V	200
First Anode Voltage, V Minimum	100
First Anode Voltage, V Maximum	300
Slow-Wave Circuit Voltage, V	1035
Slow-Wave Circuit Voltage, V Minimum	270
Slow-Wave Circuit Voltage, V Maximum	1800
External Loading Agreement Coefficient	1.7

OV47

Russian Tube
Backward Wave Tubes
Used as electronically tunable UHF source

Specifications	
Name	Value
Cathode Type	Alloy, Direct Heating
Output Type	Waveguide
Envelope	Metal-Ceramic, With Permanent Magnet
Mass	1.1kg
Cooling Method	Conductive
Frequency Range	6.9cm
Frequency Range Minimum	5.45cm
Frequency Range Maximum	8.31cm
Power Irregularity In Frequency Band, Db	8
Output Power	10m
Filament Voltage, V	1.2
Filament Current, A	2.8
Slow-Wave Circuit Voltage, V	775
Slow-Wave Circuit Voltage, V Minimum	350
Slow-Wave Circuit Voltage, V Maximum	1200

OV48

Russian Tube
Backward Wave Tubes
Used as electronically tunable UHF source

Specifications	
Name	Value
Cathode Type	Alloy, Direct Heating
Output Type	Waveguide
Envelope	Metal-Ceramic, With Permanent Magnet
Mass	1.1kg
Cooling Method	Conductive
Frequency Range	4.8cm
Frequency Range Minimum	3.78cm
Frequency Range Maximum	5.75cm
Power Irregularity In Frequency Band, Db	8
Output Power	10m
Filament Voltage, V	1.2
Filament Current, A	2.8
Slow-Wave Circuit Voltage, V	775
Slow-Wave Circuit Voltage, V Minimum	350
Slow-Wave Circuit Voltage, V Maximum	1200

OV49

Russian Tube

Backward Wave Tubes

Application in railway coach speedometer

Specifications	
Name	Value
Cathode Type	Indirect Heating
Output Type	Waveguide
Envelope	Metal-Ceramic, With Electromagnetic Focusing System
Mass	200g
Cooling Method	Conductive
Frequency Range	8cm
Frequency Range Minimum	7.92cm
Frequency Range Maximum	8.08cm
Output Power	50mW
Filament Voltage, V	1.2
Filament Current, A	2.5
Slow-Wave Circuit Voltage, V	160

OV51

Russian Tube

Backward Wave Tubes

Used as generator in measuring equipment

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating With Emmiting Surface
Output Type	Coaxial
Envelope	Metal-Ceramic, With Permanent Magnet
Mass	0.7kg
Cooling Method	Natural
Frequency Range	2.1GHz
Frequency Range Minimum	1.416GHz
Frequency Range Maximum	2.832GHz
Power Irregularity In Frequency Band, Db	10
Output Power	18mW
Tuning Transconductance	30MHz/V
Filament Voltage, V	6.3
Filament Current, A	1
Filament Current, A Minimum	0.8
Filament Current, A Maximum	1.2
Slow-Wave Circuit Voltage, V	122.5
Slow-Wave Circuit Voltage, V Minimum	35
Slow-Wave Circuit Voltage, V Maximum	210

OV52

Russian Tube
Backward Wave Tubes
Used as generator in aircraft equipment

Specifications	
Name	Value
Cathode Type	Oxide, Indirect Heating With Emmiting Surface
Output Type	Coaxial
Envelope	Metal-Ceramic, With Permanent Magnet
Mass	0.6kg
Cooling Method	Natural
Frequency Range	3.8GHz
Frequency Range Minimum	2.5GHz
Frequency Range Maximum	5GHz
Power Irregularity In Frequency Band, Db	10
Output Power	20mW
Tuning Transconductance	65MHz/V
Filament Voltage, V	6.3
Filament Current, A	1
Filament Current, A Minimum	0.8
Filament Current, A Maximum	1.2
Slow-Wave Circuit Voltage, V	120
Slow-Wave Circuit Voltage, V Minimum	30
Slow-Wave Circuit Voltage, V Maximum	210

OV603

Russian Tube

Backward Wave Tubes

Used as electronically tunable heterodyne and low-power generator in measuring equipment

Specifications	
Name	Value
Cathode Type	Oxide, Sintered, Indirect Heating
Output Type	Coaxial
Envelope	Metal-Glass, With Permanent Magnet
Mass	3.5kg
Cooling Method	Natural
Frequency Range	3666MHz
Frequency Range Minimum	2500MHz
Frequency Range Maximum	4832MHz
Power Irregularity In Frequency Band, Db	14
Output Power	30mW
Filament Voltage, V	6.3
Filament Current, A	1.6
Filament Current, A Minimum	1.3
Filament Current, A Maximum	1.8
First Anode Voltage, V	120
First Anode Voltage, V Minimum	60
First Anode Voltage, V Maximum	180
Slow-Wave Circuit Voltage, V	835
Slow-Wave Circuit Voltage, V Minimum	170
Slow-Wave Circuit Voltage, V Maximum	1500
External Loading Agreement Coefficient	1.7

OV604

Russian Tube

Backward Wave Tubes

Used as electronically tunable heterodyne and low-power generator in measuring equipment

Specifications	
Name	Value
Cathode Type	Oxide, Sintered, Indirect Heating
Output Type	Coaxial
Envelope	Metal-Glass, With Permanent Magnet
Mass	4.5kg
Cooling Method	Natural
Frequency Range	2132.5MHz
Frequency Range Minimum	1540MHz
Frequency Range Maximum	2725MHz
Power Irregularity In Frequency Band, Db	14
Output Power	40mW
Filament Voltage, V	6.3
Filament Current, A	1.6
Filament Current, A Minimum	1.3
Filament Current, A Maximum	1.8
First Anode Voltage, V	120
First Anode Voltage, V Minimum	60
First Anode Voltage, V Maximum	180
Slow-Wave Circuit Voltage, V	735
Slow-Wave Circuit Voltage, V Minimum	170
Slow-Wave Circuit Voltage, V Maximum	1300
External Loading Agreement Coefficient	1.7

OV605

Russian Tube

Backward Wave Tubes

Used as electronically tunable heterodyne and low-power generator in measuring equipment

Specifications	
Name	Value
Cathode Type	Oxide, Sintered, Indirect Heating
Output Type	Coaxial
Envelope	Metal-Glass, With Permanent Magnet
Mass	12kg
Cooling Method	Natural
Frequency Range	27cm
Frequency Range Minimum	18cm
Frequency Range Maximum	36cm
Power Irregularity In Frequency Band, Db	12
Output Power	30mW
Filament Voltage, V	12.6
Filament Current, A	0.8
Filament Current, A Minimum	0.6
Filament Current, A Maximum	1
First Anode Voltage, V	50
First Anode Voltage, V Minimum	30
First Anode Voltage, V Maximum	70
Slow-Wave Circuit Voltage, V	440
Slow-Wave Circuit Voltage, V Minimum	120
Slow-Wave Circuit Voltage, V Maximum	760
External Loading Agreement Coefficient	1.6

OV611

Russian Tube

Backward Wave Tubes

Used as electronically tunable heterodyne and low-power generator in measuring equipment

Specifications	
Name	Value
Cathode Type	Oxide, Sintered, Indirect Heating
Output Type	Coaxial
Envelope	Metal-Glass, With Permanent Magnet
Mass	15kg
Cooling Method	Natural
Frequency Range	744MHz
Frequency Range Minimum	488MHz
Frequency Range Maximum	1000MHz
Power Irregularity In Frequency Band, Db	8
Output Power	200mW
Filament Voltage, V	12.6
Filament Current, A	1.5
First Anode Voltage, V	55
First Anode Voltage, V Minimum	30
First Anode Voltage, V Maximum	80
Slow-Wave Circuit Voltage, V	400
External Loading Agreement Coefficient	1.6

OV619

Russian Tube

Backward Wave Tubes

Used as electronically tunable heterodyne and low-power generator in measuring equipment

Specifications	
Name	Value
Cathode Type	Tungsten-Baric, Indirect Heating
Output Type	Coaxial
Envelope	Metal-Glass, With Permanent Magnet
Mass	2.5
Cooling Method	Natural
Frequency Range	8396.5MHz
Frequency Range Minimum	6860MHz
Frequency Range Maximum	9933MHz
Power Irregularity In Frequency Band, Db	8.5
Output Power	20mW
Filament Voltage, V	6.3
Filament Current, A	4
First Anode Voltage, V	185
First Anode Voltage, V Minimum	70
First Anode Voltage, V Maximum	300
Slow-Wave Circuit Voltage, V	560
Slow-Wave Circuit Voltage, V Minimum	220
Slow-Wave Circuit Voltage, V Maximum	900
External Loading Agreement Coefficient	1.7

OV620

Russian Tube

Backward Wave Tubes

Used as electronically tunable heterodyne and low-power generator in measuring equipment

Specifications	
Name	Value
Cathode Type	Tungsten-Baric, Indirect Heating
Output Type	Coaxial
Envelope	Metal-Glass, With Permanent Magnet
Mass	2.5
Cooling Method	Natural
Frequency Range	5768MHz
Frequency Range Minimum	4477MHz
Frequency Range Maximum	7059MHz
Power Irregularity In Frequency Band, Db	10
Output Power	25mW
Filament Voltage, V	6.3
Filament Current, A	4
First Anode Voltage, V	185
First Anode Voltage, V Minimum	70
First Anode Voltage, V Maximum	300
Slow-Wave Circuit Voltage, V	560
Slow-Wave Circuit Voltage, V Minimum	220
Slow-Wave Circuit Voltage, V Maximum	900
External Loading Agreement Coefficient	1.7

OVS5

Russian Tube

Backward Wave Tubes

Used as heterodyne in special equipment

Specifications	
Name	Value
Cathode Type	Impregnated, Indirect Heating
Output Type	Waveguide
Envelope	Metal-Ceramic
Mass	325g
Cooling Method	Natural
Frequency Range	3.2cm
Frequency Range Minimum	3.1cm
Frequency Range Maximum	3.3cm
Power Irregularity In Frequency Band, Db	3.5
Output Power	30mW
Tuning Transconductance	2.5-8.0MHz/V
Filament Voltage, V	6.3
Filament Current, A	0.6
Collector Voltage, V	165
External Loading Agreement Coefficient	1.5

OVS6

Russian Tube

Backward Wave Tubes

Used as generator in aircraft altimeter

Specifications	
Name	Value
Cathode Type	Impregnated, Indirect Heating
Output Type	Coaxial
Envelope	Metal-Ceramic
Mass	650g
Cooling Method	Natural
Frequency Range	4300MHz
Frequency Range Minimum	4200MHz
Frequency Range Maximum	4400MHz
Power Irregularity In Frequency Band, Db	6
Output Power	250mW
Tuning Transconductance	2-3MHz/V
Filament Voltage, V	6.3
Filament Current, A	1