

NEWSPACE MARKET · COMPANY PROFILE

Glavkosmos
Roscosmos Commercial

Glavkosmos

Russia · founded 1985 · glavkosmos.com

60

PRODUCTS

6

SERVICES

newspacemarket.com/companies/glavkosmos/

as of 20 August 2026



Glavkosmos

Glavkosmos coordinates international human spaceflight projects, including commercial spaceflights and missions to the Mir space station and International Space Station (ISS) for various international cosmonauts and astronauts. The company also facilitates the launch of satellites, including heliophysical satellites, small satellites, and communication satellites, under contracts with various entities such as Roscosmos, Arianespace, and international customers. Glavkosmos has been involved in the development and delivery of cryogenic oxygen-hydrogen blocks for rockets and the design and supply of equipment for upgrading cryogenic test facilities. Additionally, Glavkosmos provides individual equipment like spacesuits, seats, and seat liners for space crews and is authorized to search for commercial space flight customers. The company has participated in launches from Vostochny Cosmodrome and Baikonur, including record-setting simultaneous launches of Russian spacecraft. Notable programs include supporting the launch of Indian satellites (IRS-1A, IRS-2B, IRS-1C), the development of cryogenic blocks for the Indian GSLV rocket, and facilitating the first commercial spaceflight for a Japanese journalist. Glavkosmos also co-organized the Global Space Exploration Conference (GLEX-2021).

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

Commercial Human Spaceflight Coordination

Glavkosmos coordinates commercial human spaceflight projects, including identifying 'space tourists' and preparing missions for international astronauts.

Cryogenic Test Facility Upgrading

Glavkosmos designs and supplies equipment for upgrading cryogenic test facilities.

International Space Mission Preparation

Glavkosmos participates in the preparation and implementation of international space missions, including those involving human spaceflight.

Launch Services for Satellites

Glavkosmos actively participates in and provides launch services for various satellites, including communication and scientific payloads.

Rideshare Launch Services

Glavkosmos provides launch services for multiple small satellites as rideshare payloads on Soyuz-2.1b rockets, enabling cost-effective access to orbit for various customers.

Soyuz-2 — Medium-Lift Rideshare & Dedicated Launch to LEO / GTO

Glavkosmos facilitates rideshare launches on the Soyuz-2.1b rocket with a Fregat upper stage from Vostochny Cosmodrome, accommodating multiple Russian and foreign small satellites.

Product catalogue



GLAVKOSMOS

"TERRA" complex of space environment simulators

TERRA is a space flight simulation complex that recreates the orbital environment—including Earth's magnetic field and solar radiation—for conducting experiments with satellite mod

Year of release	2017
Guaranteed service life (years)	1
Estimated production / delivery time (months)	3
Diameter	no less than 1.2 m
Interface	RS-485
Quantity of data receiving ground station simulators in the radio band	no less than 8
Quantity of data receiving ground station simulators in the optical range	no less than 3

price on request



GLAVKOSMOS

3-channel X-band Multiplexer

A passive high-frequency X-band multiplexer that filters repeated X-band signals received from three transponders of a spacecraft's flight communication equipment.

Purpose	Providing filtering of repeated X-band signals which are received from the three transfer
Year of release	2016
Guaranteed service life (years)	15
Estimated production / delivery time (months)	4
Operating frequency band: 1 channel	7494.5 to 7535 MHz; inserted losses at the band center 7515 MHz - not exceeding 0.6 dB; re
Operating frequency band: 2 channel	7402 to 7438 MHz; inserted losses at the band center 7420 MHz - not exceeding 0.6 dB; reve
Operating frequency band: 3 channel	7330 to 7371.5 MHz; inserted losses at the band center 7350 MHz - not exceeding 0.6 dB; re

price on request



GLAVKOSMOS
3TU Thruster Unit

The 3TU Thruster Unit is a hydrazine-fueled propulsion system designed for spacecraft orientation and attitude control, featuring eight thermocatalytic low thrusters.

Purpose	Spacecraft orientation and attitude control.
Year of release	1999
Guaranteed service life	10.5 years
Estimated production / delivery time	12 months
Flight qualification of the product	Yes
Possibility to adapt the product to customer requirements	Yes
Heater unit power consumption	14.6 W
price on request	



GLAVKOSMOS
3U Cubesat Platform

The 3U Cubesat Platform is a universal satellite bus designed for operation in space conditions at altitudes up to 1500 km, offering adaptability to customer requirements.

Purpose	This platform is intended for operation in space conditions at an altitude of up to 1500 k
Year of release	2017
Guaranteed service life (years)	1 year
Estimated production / delivery time (months)	12
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
Mass without Payload	3 kg
price on request	



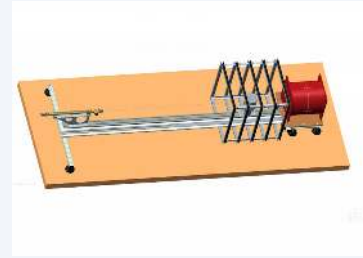
GLAVKOSMOS

4-channel C-band Multiplexer

A passive C-band RF multiplexer that filters repeated signals from the four transfer devices of a spacecraft's flight communication equipment.

Purpose	Providing filtering of repeated C-band signals which are received from the four transfer d
Year of release	2016
Guaranteed service life	15 years
Estimated production / delivery time	4 months
Operating frequency band: 1 channel	3430 to 3482.5 MHz; inserted losses at the band center 3456.25 MHz - not exceeding 0.38 dB
Operating frequency band: 2 channel	3605 to 3645 MHz; inserted losses at the band center 3625 MHz - not exceeding 0.42 dB; rev
Operating frequency band: 3 channel	3495 to 3535 MHz; inserted losses at the band center 3515 MHz - not exceeding 0.42 dB; rev

price on request



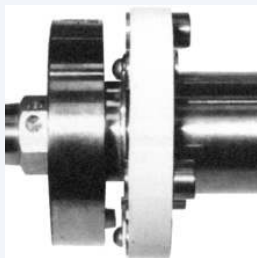
GLAVKOSMOS

A Set of Stationary Control and Verification Equipment (SSCVE)

The SSCVE is a stationary control and verification equipment designed to measure and control the induction of magnetic fields generated by an EMU, proportional to the current flowi

Year of release	2017
Guaranteed service life (years)	3
Estimated production / delivery time (months)	6
Brief history of flight qualification	Individual production.
Possibility to adapt the product to customer requirements	Yes
Operating conditions	Normal climatic conditions (NSS) according to GOST 15150-69
SSCVE mass excluding the mass of electrical equipment, power source and a standard measure of the magnetic moment	≤ 8 kg

price on request



GLAVKOSMOS

Absolute Pressure Sensor Vt 208

Flight-proven strain-gauge absolute pressure sensor (0–11 kPa, 5% error, 0.35 kg) for liquid rocket engine control and diagnostics.

Purpose	Absolute pressure measurement for liquid rocket engine control and diagnostics
Estimated production/delivery time	6 months
Flight qualification	Yes
Customization	Can be adapted to customer requirements
Measurement range, MPa	0–0.0028; 0–0.0056; 0–0.011
Basic error, %, not more than	5
Normalized output signal (Un), mV	8.4–16.8

flight proven · TRL 9 price on request



GLAVKOSMOS

Absolute Pressure Sensor Vt 220

The Absolute Pressure Sensor Vt 220 is a flight-qualified strain gauge sensor designed to measure absolute pressure of liquid and gaseous media in satellite telecontrol and thermal

Range of measurements, Mpa	0-0,125; 0-0,250; 0-0,500
The basic error,%	±1
The normalizing value of the output signal, mV / V	2,25±0,8
Supply voltage	6+0,3-1,2
Weight, kg	0,16
Flight qualification of the product	Yes
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Absolute Pressure Sensor Vt 222M

The Absolute Pressure Sensor Vt 222M is designed for measuring absolute pressure of gaseous and vaporous non-aggressive media in launch vehicle control systems, featuring high mech

Range of measurements, mm Hg	0-20; 0-40; 0-80; 0-160; 0-250; 0-460; 0-760; 0-1000; 0-1500
The basic error,%	±2,5
Rated output signal, V	5,5+0,7-0,9
Consumption current, mA, not more	60
Weight, kg	0.65
Flight qualification of the product	Yes
Possibility to adapt the product to customer requirements	Yes

price on request



GLAVKOSMOS

Active Weightlessness System

The Active Weightlessness System is a ground-based test equipment designed to simulate weightlessness for modal testing of large transformable spacecraft systems, including reflect

Purpose	Ground modal testing under conditions simulating weightlessness and testing of large trans
Year of release	2014
Guaranteed service life (years)	3
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes
Object suspension error	Active suspension system for large-sized transformable spacecraft systems at ground modal

price on request



GLAVKOSMOS

Adjustment and Braking Engine

The Adjustment and Braking Engine is a four-chamber propulsion system designed for unmanned spacecraft reactive control, orbit control, and braking maneuvers, utilizing UDMH/NTO pr

Purpose	Unmanned Spacecraft reactive control system
Year of release	2010
Flight qualification of the product	Letter "0", flight use
Possibility to adapt the product to customer requirements	Yes
Propellants, Fuel/Oxidizer	UDMH/NTO
Total Nominal Thrust	464.0 N
One Thruster Nominal Thrust	116.0 N

price on request



GLAVKOSMOS

Aggressive Liquids Filling Equipment Complex

A ground support equipment complex for filling prepared fuel components (temperature- and gas-content-conditioned) into launch vehicle or spacecraft tanks using compressed gas pres

Purpose	Filling of prepared (by temperature and gas content) fuel components with the method of co
Year of release	2016
Guaranteed service life (years)	3
Estimated production / delivery time (months)	24
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
Service life	15 years

price on request



GLAVKOSMOS

Air Bearing (15 kg)

Rotates through 360° along one axis (vertical), the possibility of rotation in two horizontal axes is limited. Air bearing consists of a pedestal and hemisphere-form bearing. The

Max carrying capacity, kg	15
Angle of turn relative to vertical axis	not limited
Angle of turn relative to horizontal axes	±30°

price on request



GLAVKOSMOS

Air Bearing (160 kg)

Rotates through 360° along one axis (vertical), the possibility of rotation in two horizontal axes is limited. Air bearing consists of a pedestal and hemisphere-form bearing. The

Max carrying capacity, kg	160
Angle of turn relative to vertical axis	not limited
Angle of turn relative to horizontal axes	±30°

price on request



GLAVKOSMOS

Air Bearing (35 kg)

Rotates through 360° along one axis (vertical), the possibility of rotation in two horizontal axes is limited. Air bearing consists of a pedestal and hemisphere-form bearing. The

Max carrying capacity, kg	35
Angle of turn relative to vertical axis	not limited
Angle of turn relative to horizontal axes	±30°

price on request



GLAVKOSMOS

Air Bearing (65 kg)

Rotates through 360° along one axis (vertical), the possibility of rotation in two horizontal axes is limited. Air bearing consists of a pedestal and hemisphere-form bearing. The

Max carrying capacity, kg	65
Angle of turn relative to vertical axis	not limited
Angle of turn relative to horizontal axes	±30°

price on request



GLAVKOSMOS

Altitude Control System

An Altitude Control System (ACS) designed for spacecraft, providing orientation accuracy of 1 degree and stabilization accuracy of 30 deg. s/s, with communication via CAN and debug

Purpose	Used in spacecraft as a control system.
Year of release	2018
Guaranteed service life (years)	LEO - 1 year
Estimated production / delivery time (months)	12
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
Orientation accuracy	1 deg

TRL 6 price on request



GLAVKOSMOS

Analogue Microchip of the Receive/Transmit Tract

Analogue transceiver circuit ORTD-LSN, together with DRT-LSN, is intended for use in the equipment of base stations and subscriber terminals of the local navigation system. Separatel

W*H*T	6kh6kh1 mm
Weight	1 g
Supply voltage	3 V
Operating temperature range	-40 - +85 C°
Case	QFN 64L (8x8, 0.4 pitch, EXPOSED PAD)
The range of input frequencies of the receiving path /output frequencies of the transmission path	100...2500 MHz
Range of output frequencies of the first receiving channelpath / input frequencies of the transmit path	0,9875...1,0125 MHz

price on request



GLAVKOSMOS
Angular accelerometer

An angular accelerometer designed for integration into gyro-stabilized platforms, providing measurement of apparent acceleration for ballistic and space equipment.

Purpose	Working as part of a gyro-stabilized platform.
Year of release	1986
Guaranteed service life (years)	17
Estimated production / delivery time (months)	7
Flight qualification of the product	yes
Brief history of flight qualification	as part of the LV "Rokot"
Height, mm	85
price on request	



GLAVKOSMOS
Antenna AA2-KKS

Dual-band active GPS/GLONASS antenna module for fixed and portable navigation receivers.

Frequency range	1238–1257 MHz (GLONASS L1); 1571–1614 MHz (GPS L1)
Output VSWR	1.7
Gain	33.0 dB
LNA noise figure	1.7 dB
Dimensions	80 × Ø120 mm
Supply voltage	5 V
Consumption current	≤150 mA
price on request	



GLAVKOSMOS
Antenna AFU-NMSS M

An all-ceramic active GLONASS/GPS antenna module for wearable satellite navigation receivers, operating through space navigation systems.

Year of release	2013
Guaranteed service life (years)	3
Estimated production / delivery time (months)	3
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
Frequency Range, MHz	1571-1610
Output VSWR in the frequency range	2.0
price on request	



GLAVKOSMOS
Antenna ANT-406VA

Aircraft-mounted antenna for Cospas-Sarsat aviation radiobeacons, operating across the 121.45–406.1 MHz emergency beacon frequency bands via satellite navigation systems.

Purpose	As part of Cospas-Sarsat Aviation Radiobeacons. Work through space navigation systems (SNS)
Year of release	2011
Guaranteed service life (years)	3
Estimated production / delivery time (months)	3
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
Frequency Range, MHz	121,45-121,55 242,9-243,1 406,0-406,1
price on request	



GLAVKOSMOS
Antenna Array

A flight-qualified on-board antenna array designed for forming required servicing areas and signal reception within P, L, and S frequency bands.

Flight qualification of the product	Yes
Frequency band	P, L, S
Radiator type	Helical, turnstile, log-periodic, whip, horn, etc.

flight proven · TRL 9 price on request

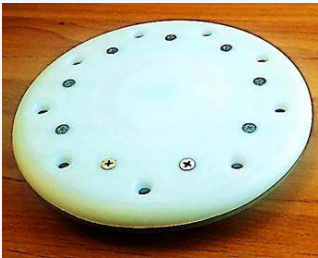


GLAVKOSMOS
Antenna ASNB-1

The Antenna ASNB-1 is a microstrip active antenna module designed for GLONASS/GPS on-board dual-band navigation receivers, specifically for rocket technology applications.

Purpose	GLONASS / GPS on-board dual-band navigation receiver (rocket technology). Work through spa
Year of release	2012
Guaranteed service life (years)	3
Estimated production / delivery time (months)	3
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
Frequency Range	1237-1257 1571-1614 MHz

TRL 6 price on request



GLAVKOSMOS
Antenna ASNB-2

A microstrip active antenna module for onboard GPS/GLONASS/GALILEO/BEIDOU satellite navigation system (SNS) equipment.

Purpose	In GPS / GLONASS / GALLILEO / BEIDOU on-board goniometer equipment. Work through space nav
Year of release	2017
Guaranteed service life (years)	3
Estimated production / delivery time (months)	3
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
Frequency Range, MHz	1164-1180 1223-1256 1571-1610

price on request



GLAVKOSMOS
Antenna ASNG-2

The Antenna ASNG-2 is an active geodesic antenna designed for use with GLONASS/GPS surveying equipment, featuring rear radiation cut-off.

Purpose	As part of the GLONASS / GPS surveying equipment. Work through space navigation systems (S
Year of release	2017
Guaranteed service life (years)	3
Estimated production / delivery time (months)	3
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
Frequency Range	1571-1610 MHz

flight proven · TRL 9 price on request



GLAVKOSMOS

Antenna ASNG-3

Active geodesic antenna for GLONASS/GPS surveying equipment, operating through space navigation systems with rear radiation cut-off.

Purpose	As part of the GLONASS / GPS surveying equipment. Work through space navigation systems (S	
Year of release	2018	
Guaranteed service life (years)	3	
Estimated production / delivery time (months)	3	
Flight qualification of the product	No	
Possibility to adapt the product to customer requirements	Yes	
Frequency Range, MHz	1223-1256 1571-1610	

price on request



GLAVKOSMOS

Antenna ASNK-1

A wearable, all-ceramic active antenna module for GLONASS/GPS navigation, designed to work with satellite navigation systems.

Purpose	GLONASS / GPS wearable receiver. Work through space navigation systems (SNS).	
Year of release	2011	
Guaranteed service life (years)	3	
Estimated production / delivery time (months)	3	
Flight qualification of the product	No	
Possibility to adapt the product to customer requirements	Yes	
Frequency Range, MHz	1571-1610	

price on request



GLAVKOSMOS

Antenna ASNK-2

The Antenna ASNK-2 is an all-ceramic active antenna module designed for GLONASS/GPS wearable receivers, enabling operation through space navigation systems.

Purpose	GLONASS / GPS wearable receiver. Work through space navigation systems (SNS).	
Year of release	013	
Guaranteed service life (years)	3	
Estimated production / delivery time (months)	3	
Flight qualification of the product	No	
Possibility to adapt the product to customer requirements	Yes	
Frequency Range	1571-1610 MHz	

flight proven · TRL 9 price on request



GLAVKOSMOS

Antenna ASNM-6

The ASNM-6 is a microstrip active antenna module designed for use with stationary and transportable dual-band GLONASS/GPS navigation receivers, operating through space navigation s

Purpose	As part of the stationary and transportable dual-band navigation receiver GLONASS / GPS. W	
Year of release	2011	
Guaranteed service life (years)	3	
Estimated production / delivery time (months)	3	
Flight qualification of the product	No	
Possibility to adapt the product to customer requirements	Yes	
Frequency Range, MHz	1223-1256 1571-1610	

flight proven · TRL 9 price on request



GLAVKOSMOS

Antenna ASNP-2

Microstrip active antenna module for a personal GLONASS/GPS receiver, operating via satellite navigation systems (SNS).

Purpose	As part of a personal GLONASS / GPS receiver. Work through space navigation systems (SNS).
Year of release	2009
Guaranteed service life (years)	3
Estimated production / delivery time (months)	3
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
Frequency Range, MHz	1571-1610

price on request



GLAVKOSMOS

Antenna ASNP-2M

Microstrip active antenna module for personal GLONASS/GPS receivers, designed to work through satellite navigation systems (SNS).

Purpose	As part of a personal GLONASS / GPS receiver. Work through space navigation systems (SNS).
Year of release	2011
Guaranteed service life (years)	3
Estimated production / delivery time (months)	3
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
Frequency Range, MHz	1571-1610

price on request



GLAVKOSMOS

Antenna ASNP-4

The Antenna ASNP-4 is a microstrip active antenna module designed for use with GLONASS/GPS wearable dual-band navigation receivers, operating within space navigation systems.

Purpose	As part of the GLONASS / GPS wearable dual-band navigation receiver. Work through space
Year of release	2011
Guaranteed service life (years)	3
Estimated production / delivery time (months)	3
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
Frequency Range, MHz	1223-1256 1571-1610

flight proven · TRL 9 price on request



GLAVKOSMOS

Antenna feeder device

The Antenna feeder device is a transceiver single-mirror antenna system with a 2.4m reflector, designed for C-band satellite communications earth stations.

Purpose	Designed for use as part of earth stations in satellite communications C-band.
Year of release	2012
Guaranteed service life (years)	15 years
Estimated production / delivery time (months)	9
Possibility to adapt the product to customer requirements	Yes
Reflector diameter	2,4 m
Receive Frequency Range	3,4-4,2 GHz

price on request



GLAVKOSMOS

Antenna Feeder Device 3

The Antenna Feeder Device 3 is a C-band ground station antenna system designed for satellite communications, featuring a 3.7m Cassegrain reflector and electromechanical drives.

Purpose	Designed for use as part of earth stations in satellite communications C-band.
Year of release	2012
Guaranteed service life (years)	15 years
Estimated production / delivery time (months)	9
Possibility to adapt the product to customer requirements	Yes
Reflector diameter	3,7 m
Receive Frequency Range	3,4-4,2 GHz

price on request



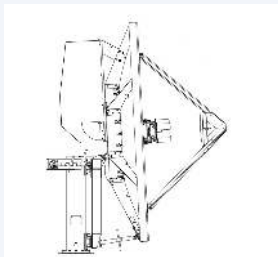
GLAVKOSMOS

Antenna Feeder Device 4

The Antenna Feeder Device 4 is a C-band ground station antenna system with a 4.5m reflector, designed for satellite communications, featuring a Cassegrain system and electromechanical drives.

Purpose	Designed for use as part of earth stations in satellite communications C-band.
Year of release	2012
Guaranteed service life	15 years
Estimated production / delivery time	9 months
Possibility to adapt the product to customer requirements	Yes
Reflector diameter	4,5 m
Receive Frequency Range	3,4-4,2 GHz

price on request



GLAVKOSMOS

Antenna Feeder Device AC-25KRL-Ku/S

The AC-25KRL-Ku/S is an antenna feeder device designed for satellite earth stations, operating in S and Ku bands with a 2.4m reflector.

Year of release	2014
Guaranteed service life (years)	15 years
Estimated production / delivery time (months)	9
Possibility to adapt the product to customer requirements	Yes
Reflector diameter	2,4 m
Receive Frequency Range	2,025-2,1092; 10,712-10,770 GHz
Transmission Frequency Ranges	2,2-2,29; 14,52-14,575 GHz

price on request



GLAVKOSMOS

Antenna MAZ-M2

A transportable microstrip active GPS/GLONASS navigation antenna module for armored vehicles, operating through space navigation systems (SNS).

Purpose	Transportable GPS / GLONASS navigation receiver (armored vehicles). Work through space nav
Year of release	2012
Guaranteed service life (years)	3
Estimated production / delivery time (months)	3
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
Frequency Range, MHz	1227-1257 1571-1610

price on request



GLAVKOSMOS

Antenna Post L- and S-bands

The Antenna Post L- and S-bands is a 6.0m Cassegrain antenna system designed for satellite communications earth stations, operating in L- and S-bands with circular right polarizati

Year of release	2016
Guaranteed service life (years)	10 years
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes
Reflector diameter	6,0 m
Receive Frequency Range	1,586-1,616; 1,233- 1,263; 1,187- 1,217; 2,197- 2,227 GHz
Transmission Frequency Range	2,197-2,227 GHz

price on request



GLAVKOSMOS

Antenna Reflector Hold-down Lock (mechanical) Type 1

A mechanical hold-down lock designed to secure antenna reflectors in the stowed position on spacecraft.

Year of release	2011
Guaranteed service life (years)	6
Estimated production / delivery time (months)	4
Clamping force, kg	600
Ultimate bending moment at the interface surface with the spacecraft, N·m	200
Operating temperature range, °C	-100 to +100
Operational life defined by the number of actuations, not less than	50

flight proven · TRL 9 price on request



GLAVKOSMOS

Antenna Reflector Hold-down Lock (mechanical) Type 2

A mechanical hold-down lock designed to secure antenna reflectors in their stowed position during launch and orbital maneuvers, featuring a clamping force of 400 kg.

Purpose	Holding antenna reflector in the stowed position.
Year of release	2016
Guaranteed service life (years)	6
Estimated production / delivery time (months)	4
Clamping force, kg	400
Ultimate side loads at the interface surface with the reflector, kg	200
Operating temperature range, °C	-100 to +100

flight proven · TRL 9 price on request



GLAVKOSMOS

Antenna SA2-M

The Antenna SA2-M is a dual-band active antenna module designed for ground equipment of Doppler systems, working through space navigation systems.

Purpose	As part of the ground equipment of Doppler systems. Work through space navigation systems
Year of release	2014
Guaranteed service life (years)	3
Estimated production / delivery time (months)	3
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
Frequency Range, MHz	267,5-272,5 2229,5-2234,5

flight proven · TRL 9 price on request



GLAVKOSMOS

Antenna System 4,1 meters Ka

A 4.1-meter Ka-band antenna system designed for receiving signals from geostationary orbit (GSO) satellites, featuring a Cassegrain design with electromechanical drives and remote

Purpose	Designed to receive signals in the Ka- band from satellites located on the GSO.
Year of release	2016
Guaranteed service life	15 years
Estimated production / delivery time	9 months
Possibility to adapt the product to customer requirements	Yes
Reflector diameter	4,1 m
Receive Frequency Range	17,7-21,2 GHz

price on request



GLAVKOSMOS

Antenna System 7.2 m

A two-mirror receiving and transmitting antenna system with a 7.2 m reflector, designed for C-band satellite communications earth stations.

Purpose	Designed for use in satellite communications earth stations for operation in the C-band.
Year of release	2016
Guaranteed service life	15 years
Estimated production / delivery time	12 months
Possibility to adapt the product to customer requirements	Yes
Reflector diameter	7,2 m
Receive Frequency Range	3,38-3,425 GHz

price on request



GLAVKOSMOS

Antenna System 7.2 m C/Ku

A 7.2-meter Cassegrain antenna system designed for satellite communications earth stations, capable of receiving spacecraft signals in C and Ku bands.

Purpose	It is intended for use as part of satellite communications earth stations for receiving sp
Year of release	2016
Guaranteed service life (years)	10 years
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes
Reflector diameter	7,2 m
Receive Frequency Range	3,42- 4,2; 10,70- 12,75 GHz

price on request



GLAVKOSMOS

Antenna System 7.2 m C/Ku/Ka

The Antenna System 7.2 m C/Ku/Ka is a receiving two-mirror Cassegrain antenna designed for satellite communications earth stations to receive spacecraft signals across S-Ku-Ka band

Reflector diameter	7,2 m
Receive Frequency Range	3,42- 4,2; 10,70- 12,75; 17,70- 21,70 GHz
Polarization	circular or linear
Receive gain	≥46,5 dB (3,8 GHz); ≥55,0 dB (11,725 GHz); ≥58,0 dB (19,7 GHz)
Cross polarization interchange	≥27 dB
Working angles in elevation	± 270°
Working angles in elevation	0° ... 80°

price on request



GLAVKOSMOS

Antenna System 7.2 m L/S/X

A 7.2-meter Cassegrain antenna system designed for satellite communications earth stations, capable of receiving spacecraft signals in L, S, and X-bands with remote polarization sw

Purpose	Designed for use as part of satellite communications earth stations for receiving spacecra
Year of release	2016
Guaranteed service life (years)	10 years
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes
Reflector diameter	7,2 m
Receive Frequency Range	1,45-1,80; 2,10-2,70; 7,2-7,8 GHz

price on request



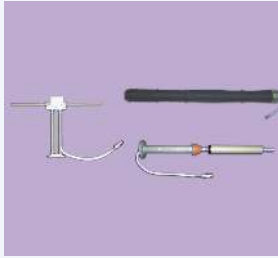
GLAVKOSMOS

Antenna System 9.3 M AC93R-C/Ku

The Antenna System 9.3 M AC93R-C/Ku is a two-mirror Cassegrain antenna designed for satellite earth stations to receive signals in the C and Ku frequency bands.

Purpose	Designed for use in satellite earth stations for receiving signals in the C and Ku bands.
Year of release	2012
Guaranteed service life (years)	15 years
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes
Reflector diameter	9,3 m
Receive Frequency Range	3,42- 4,2; 10,95- 12,75 GHz

price on request



GLAVKOSMOS

Antenna-feeder Device (AFD) Ionosphere

The Antenna-feeder Device (AFD) Ionosphere is designed for transmitting radio signals from a spacecraft's onboard transmitter to ground receiving points and for emitting coherent r

Year of release	2010
Guaranteed service life	8 years
Estimated production / delivery time	6 months
Flight qualification of the product	No
Brief history of flight qualification	Delivered for the Ionosphere spacecraft.
Possibility to adapt the product to customer requirements	Yes
Operating frequency range	137 MHz, 150 MHz, 400 MHz

TRL 8 price on request



GLAVKOSMOS

Antenna-feeder Device (AFD) MBITS-01

The Antenna-feeder Device (AFD) MBITS-01 is an onboard telemetry antenna system for spacecraft, featuring a hemispherical communication diagram and a weight of 2.5 kg.

Purpose	Designed to work as part of the onboard telemetry equipment of the spacecraft.
Year of release	2005
Guaranteed service life	8 years
Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Brief history of flight qualification	The spacecraft includes: Meteor-M, Resource, KORONAS-FOTON.
Possibility to adapt the product to customer requirements	Yes

flight proven · TRL 9 price on request



GLAVKOSMOS
Antenna-feeder Device 475-2

The Antenna-feeder Device 475-2 is designed for transmitting, receiving, and relaying signals for geostationary spacecraft, with flight heritage on the 'Electro' satellite.

Purpose	Designed for transmitting and receiving information, as well as relaying signals of the ge
Year of release	1988
Guaranteed service life	7 years
Estimated production / delivery time	12 months
Flight qualification of the product	Yes
Brief history of flight qualification	As part of the spacecraft: "Electro".
Possibility to adapt the product to customer requirements	Yes

flight proven · TRL 9 price on request



GLAVKOSMOS
Antenna-feeder Device 77531

The Antenna-feeder Device 77531 is designed for on-board radio systems of the 'Meteor-M' spacecraft to transmit meteorological signals to an information receiving station.

Purpose	Designed to work as part of the on-board radio systems of the spacecraft "Meteor-M". Trans
Year of release	2000
Guaranteed service life	8 years
Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Brief history of flight qualification	As part of the spacecraft Meteor-M.
Possibility to adapt the product to customer requirements	Yes

flight proven · TRL 9 price on request



GLAVKOSMOS

Antenna-feeder Device BASN

The Antenna-feeder Device BASN is designed to receive navigation signals from GLONASS and GPS satellites, featuring flight qualification and heritage on the Meteor-3M spacecraft.

Purpose	Designed to receive information from navigation signals from GLONASS and GPS satellites.
Year of release	2000
Guaranteed service life	7 years
Estimated production / delivery time	5 months
Flight qualification of the product	Yes
Brief history of flight qualification	The spacecraft includes: Meteor-3M.
Possibility to adapt the product to customer requirements	Yes

flight proven · TRL 9 price on request



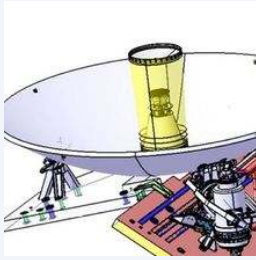
GLAVKOSMOS

Antenna-feeder Device BIS-MV

The Antenna-feeder Device BIS-MV is designed for on-board radio systems of spacecraft, enabling the transmission of low-resolution meteorological signals.

Purpose	Designed to work as part of the on-board radio systems of the spacecraft "Meteor-M".
Year of release	2000
Guaranteed service life (years)	8
Estimated production / delivery time (months)	6
Flight qualification of the product	Yes
Brief history of flight qualification	The spacecraft includes: Meteor-M, Resource.
Possibility to adapt the product to customer requirements	Yes

flight proven · TRL 9 price on request



GLAVKOSMOS

Antenna-feeder Device of Wideband Communication System

Ku/Ka-band active relay AFD (13.5/15 GHz, 41 dBi gain, 55 kg, ±180°/±120° pointing) for ISS science-power module to ground station relay.

Purpose	Subscriber relay for wideband communication system between ISS science-power module and ground station
Year of release	2014
Guaranteed service life, years	10
Active lifetime, years	15
Estimated production/delivery time	20 months
Frequency (transmit)	15 GHz, circular polarization
Frequency (receive)	13.5 GHz, circular polarization

flight proven · TRL 9 price on request



GLAVKOSMOS

Antenna-feeder Device TKS

The Antenna-feeder Device TKS is designed for simultaneous reception and transmission of high-frequency radio signals in the 2 GHz range, with flight heritage on several spacecraft

Purpose	Ensuring simultaneous reception and transmission of high-frequency radio signals located in the 2 GHz range
Year of release	2011
Guaranteed service life	8 years
Estimated production / delivery time	6 months
Flight qualification of the product	Yes
Brief history of flight qualification	The spacecraft includes: Canopus-V, Canopus-V-1K, RBCA.

Possibility to adapt the product to customer requirements	Yes
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flight proven · TRL 9 price on request



GLAVKOSMOS

Antenna-feeder System 9.3 m

The Antenna-feeder System 9.3 m is a Cassegrain-type transceiver two-mirror antenna system designed for satellite communications earth stations operating in the C-band.

Purpose	Designed for use in satellite communications earth stations for operation in the C-band.
Year of release	2015
Guaranteed service life (years)	15 years
Estimated production / delivery time (months)	12
Possibility to adapt the product to customer requirements	Yes
Reflector diameter	9,3 m
Receive Frequency Range	3,4- 4,2 GHz

price on request



GLAVKOSMOS

Antenna-feeder Systems of the Spacecraft

Glavkosmos offers development, manufacturing, and testing services for spacecraft antenna-feeder systems, including radio engineering tests in anechoic chambers.

Purpose	Development, manufacture and testing of spacecraft antenna-feeder systems. Carrying out radio engineering tests in anechoic chambers.
Flight qualification of the product	Yes
Brief history of flight qualification	Vast work experience.

Possibility to adapt the product to customer requirements	Yes
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price on request



GLAVKOSMOS
Apochromatic Lenses

Apochromatic lens objectives for astronomic telescopes, forming a complete telescope set with clear apertures from 100 to 500 mm.

Purpose	Telescopes complete set
Year of release	1997
Guaranteed service life (years)	15
Estimated production / delivery time (months)	12
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
Wavefront RMS, wavelength	less than 0,03
price on request	



GLAVKOSMOS
ARC Regulation and Control Equipment for Manned and Cargo Spacecraft

The ARC Regulation and Control Equipment is a monoblock system designed for regulating and monitoring the power supply system of manned spacecraft, capable of operating in vacuum.

Purpose	Designed for manned spacecraft.
Year of release	2012
Guaranteed service life	5 years
Estimated production / delivery time	18 months
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes
Resistance to ionizing radiation of outer space	20 krad
price on request	

Contact Glavkosmos

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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