HERITAGE PLATFORMS | FLY ON SCHEDULE

Solutions for New Space



SPECTRUM CONTROL

Established RF and microelectronics platforms backed by space heritage since 1972, with assurance matched to your orbit and mission life.

		Your Challenge	Our Approach	Program Value
1	**Schedule & cost**	Constellation schedules demand speed	Standard and COTS-based starting points	Faster path from design to flight
2	**Mission assurance**	Assurance must match the mission	Configurable screening and qualification	Cost and schedule aligned to mission requirements
3	**Payload SWaP**	Space and mass are constrained	Integration and miniaturization	More capability in less volume and mass
4	**Constellation scale**	Programs must scale reliably	Controlled manufacturing and in-house testing	Repeatability and supply continuity

Mission-Matched Assurance

Select the level of integration, screening, documentation, and qualification

QUAL LEVELS

- **Mission-Specific Qualification:** Full qualification campaign to your requirements
- **Screened Hardware:** Screened to MIL-PRF-38534 Class H or Class K
- **Configured Solution:** Catalog platform tailored to you
- **Standard Product:** Catalog part, standard screening

Proven Space Credibility

46+ Space Programs (civil, defense, commercial)	**2** Space centers of excellence, Class H and Class K	**In-House Testing** Mechanical, Environmental, and Electrical

Mission Orbits: From VLEO and proliferated LEO through MEO and GEO missions.

Tell us your orbit, mission life, and schedule. We'll show you the fastest path:
spectrumcontrol.com/new-space

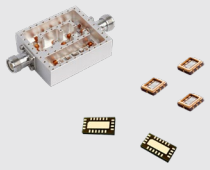
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From Discrete Components to Integrated Subsystems

SPECTRUM CONTROL

Filters, Diplexers & Triplexers



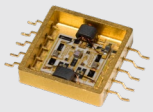
Custom RF filters designed to your requirement

0.1 dB
Insertion loss

60 dB
Rejection

40 GHz
Frequency

Amplifiers



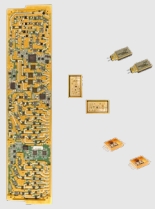
Control, amplify, and condition signals through the payload

1.5 dB
Low noise

-181 dBc/Hz
Low phase noise

+95 dBm
High-linearity IP2

Hybrid Microcircuits & Integrated Microwave Assemblies



Compact, high-reliability electronic assemblies

IMAs
Multiple RF functions in one assembly

Hybrid Microcircuits
semiconductor die, passives and thick/thin-film circuitry on AlN, BeO, quartz and sapphire substrates

Optical Transceivers
10 Gbps per channel, -50°C to +125 °C

Power & Input Protection



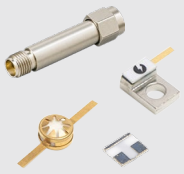
Protect sensitive electronics from conducted interference and power disturbances

200 VDC
130 VAC, 15 A
Surface mount

Panel Mount
B+ screening beyond MIL-PRF-28861 Class B

Hermetic & Resin-sealed
for severe environments

Hi-Rel Attenuators & Resistors



Extensive high-reliability and space heritage, backed by proven designs.

Chip, Flange, Pill & Coaxial

DC to 40 GHz

Low VSWR

About Spectrum Control

Spectrum Control is a mission-focused technology company delivering innovative, adaptable solutions across RF, optical, power, digital, and EMI protection that go beyond specifications to support system performance and program success.

RF Signal Chain | Power/Protect/ Interconnect | Communications & Data Layer

Explore New Space capabilities

To discuss your mission with Spectrum Control, email us at sales@spectrumcontrol.com

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