RF & Microwave Signal Conditioning and Electromagnetic Spectrum Management Solutions, from Components to Complete Subsystems
RF/Microwave Components & Microelectronic Solutions


Powerfilm™ Surface Mount Resistive Products
- Flange Attenuators
- Chip Attenuators
- Flange Terminations
- Chip Terminations
- Flange Resistors
- Rod Resistors

RF & Microwave Filters
- Lumped Element, Cavity, Tubular, Ceramic, Suspended Substrate, Waveguide
- Bandpass, Lowpass, Highpass, Bandreject
- Duplexers, Diplexers, Triplexers, Multiplexers
- Switched Filter Banks
- Filter Assemblies

RF & Microwave Components
- Coaxial Attenuators
- Coaxial Terminations
- Programmable Attenuators
- DC Blocks
- Power Splitters
- Bias Tees
- Gain Equalizers
- Coaxial Adapters & Connector Systems
- Delay Lines
- Butler Matrices & Switches
- Phase Shifters
- Power Dividers
- RF Mixers
- Limiters & Receivers
- Detectors
- Space Qualified RF Components
**RF & Microwave Amplifiers**
- High Power Amplifiers
- High Linearity Amplifiers
- Low Phase Noise Amplifiers
- Low Noise Amplifiers
- Filtered GPS LNAs
- Automatic Gain Control Amplifiers
- Ultra High Linearity Amplifiers

**Frequency Sources**
- Phase Locked Oscillators (PLO)
- Frequency Multipliers
- Surface Mount Synthesizers
- Master Reference Oscillators
- Synthesizers

**Integrated Microwave Assemblies**
- Amplifier, Filter, and Frequency Generation-Based Integrated Assemblies
- Up/Down Converters
- IFMs & Discriminators
- Transmit Receive Modules

**Subsystem Solutions**
- Active Antenna Array Units
- Amplifier Subsystems
- Frequency Generation Subsystems
- Receiver Front Ends
- Attenuator-Based Subsystems
- Switch-Based Subsystems
- Phase Shifter Subsystems

**Microelectronics**
- Pin Diodes
- PIN Diode Drivers
- Thin Film Technology
- Thin Film Chip Resistors
- Thick Film Technology
- Optoelectronic Transceivers
- High Temperature Electronics
- SAW Filters
- SAW Oscillators
- SAW Delay Lines
- Multi-Chip Modules (MCMs) & Hybrid Microcircuits
- Substrate Printing
- A/D & D/A Converters
- High Power DC/DC Converters
- PCB, Box Manufacture and Assembly

**Power Distribution & Conversion**
- AC Switched Power Distribution Units
- DC Switched Power Distribution Units
- Tactical Power Supplies
- Power Entry and Export Panels
- Power Converters

**Discrete EMI/EMC Filters & Interconnects**
- Solder-in, Press-in, & Spanner Filters
- Filter Arrays & Plates
- D-Sub Filtered Connectors

**Filtered Circular Connectors**
- Composite Shell Connectors
- Mini-MIL Connectors
- Audio Connectors
- Rapid Mate Connectors
- Transient Survival Connectors
- Black Nickel Zinc Connectors
- Custom Unfiltered Connectors

**Power Filters**
- Commercial Power Filters
- Military/Aerospace Power Filters
- Power Line Filters
- Miniature PCB
- Power Entry Modules
- Single Line Feedthrough
- EMP/HEMP Filters

**Electromagnetic Integrated Solutions**

Applications include: Defense, Industrial, Medical, Alternative Energy, Transportation, Commercial & Military Aircraft, and Communication.
Standard, Custom, and Built to Print Solutions

API Tech is a fully integrated “one-stop shop” for engineering and manufacturing of OEM, box builds, build to print, and custom solutions. In addition to designing your custom solution, API Tech is also able to repair hardware and equipment that is no longer supported by the OEM, extending the life of many older, otherwise obsolete designs.

Secure Systems

Applications include:

- TEMPEST solutions for government and defense agencies
- Secure access solutions and remote device management for service providers, equipment manufacturers, corporate enterprises, government, and military agencies

EMCON®/SST™ TEMPEST Products

- PCs & Workstations
- Thin & Zero Clients
- KVMs
- Monitors
- Notebooks/Laptops & Mobile Thin Clients
- Rugged Laptops
- Printers, Scanners & Faxes
- Routers, Switches & Crypto
- VoIP Phones
- Videoconferencing
- Office & Mobility Cabinets
- Data Center Cabinets
- Flyaway Kits
- Cables
- Accessories

ION™ Networks Secure Access Solutions

- Netgard™ Privileged Gateway for Managed Service Providers
- Netgard™ Privileged Gateway for Enterprise
- Netgard™ MFD Follow-me Print Solutions
- ION™ PRIISMS
- ION™ Service Access Point
- ION™ Secure Appliance
- Avaya® Secure Access Link Appliance
- ION™ Secure Modem

Custom Solutions & Services

API Tech’s Emcon and SST brands work closely with business partners so that our industry-leading team of engineering and design staff can develop custom-tailored solutions, custom builds, and TEMPEST uplifts to commercial equipment to meet all your communication security needs.

We also provide TEMPEST testing, vertical integration, engineering, design, consultation services, and TEMPEST training, from a government accredited secure facility with an experienced team. Supplemented by global support, full service manuals for through-life management, and underpinned by extended warranty or managed service contract options (including holding local inventory).
Markets & Applications

Radar and Electronic Warfare
APITech provides rugged, reliable and efficient subsystems, assemblies and components for use in the most mission critical defense and military applications, supporting government programs throughout the world.

Wireless Communications
APITech provides high performance filter products, and high reliability attenuators and terminations to fulfill the most challenging wireless, telecom, and test and instrumentation applications.

Space
APITech has proven experience participating in numerous past and present space programs, including deep space and scientific missions and several satellite communications projects.

Avionics and Transportation
Global leader in innovative design, development and production of RF/microwave, microelectronic, and EMI solutions for commercial aviation.

High-Temp Industrial
High temperature electronics, electronic assemblies, and EMI/RFI solutions for high reliability applications.

Medical
APITech has a rich heritage in providing a vast portfolio of standard, configurable and custom, application-specific solutions for the medical market.

Munitions
APITech’s diverse product portfolio of solutions are designed to meet the needs of today’s demanding military requirements where there can be no compromise on reliability, accuracy or quality.

Military Communications
Filters, components and assemblies for Military Communications.

Applications Include

Radar & EW
- Missile Defense
- Tracking
- Electronic Attack
- Surveillance
- Broadband Jamming

Wireless Communications
- Test & Instrumentation
- Vehicle to Vehicle Connectivity
- 5G Components
- Transport Layer Simulation

Space
- LEO, MEO, & GEO Satellite Bus and Payloads
- Launch & Re-Entry Vehicles
- Scientific Missions
- Deep Space Exploration
- Civil Space
- New Space

Avionics & Transportation
- In-flight Wireless Testing & Simulation
- Aircraft Motor Controls
- Lightning Strike Protection

High-Temp Industrial
- Oil & Gas
- Co-Site Interference Mitigation
- Wireless Site Development

Medical
- Implantable Defibrillators
- Transformers for Mammography Machines

Military Communications
- Ground, Air, Naval, & Satellite Communications
- Tactical Radios
- Cryogenic & Quantum Computing

And Hundreds More!
Who We Are

Value-added Integration from Components to Subsystem Solutions

APITech provides rugged, reliable, and efficient subsystems, assemblies, and components for use in the most mission critical defense and military applications, supporting government programs throughout the world. With diverse program experience and preferred supplier status with some of the industry’s top premier contractors, our precision-engineered MIL-grade products are ideal for applications where uncompromised reliability and uninterrupted performance is required. APITech is the Electromagnetic Spectrum Innovator at Tier 2.5-4 in the supply chain.

The Electromagnetic Spectrum Innovator

APITech is an innovative designer and manufacturer of high performance systems, subsystems, assemblies and components for technically demanding RF, microwave, millimeterwave, electromagnetic, power, and security applications. A high reliability technology pioneer with over 70 years of heritage, APITech’s products are used by global defense, industrial, and commercial customers in applications spanning radar, electronic warfare, unmanned systems, missile defense, harsh environments, space, communications, medical, test and instrumentation, and more.

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