Filters and Components for Defense and Space
Defense and Space Products

CMT Inc. is a state-of-the-art, RF & Microwave Filter Company specializing in high quality, highly reliable and economical, Microwave Filters. CMT products operate from 100MHz to 50GHz, with stop bands to 70GHz.

Our portfolio of “Hi-Rel” components includes Highpass, Lowpass, Bandpass, Band Reject, Duplexers, Diplexers, Multiplexers, Switch Filters, Power Dividers and Multifunctional Assemblies.

Our Program Experience includes: Satellite Payloads, Communication Uplink Systems, Point to Point (line of sight) Communications and virtually every wireless telecom protocol.

ITAR REGISTERED

www.cmtfilters.com
CMT Inc. has been supplying space qualified products since 2004. In that time, CMT has qualified a significant number of new product designs for space flight, and continues to do so. Flight hardware is tested and qualified to the most stringent flight standards and space qualification profiles.

**Qualified Flight Products include:**
- Phase Matched Dual Triplexers (S-Band, L-Band), Phase Matched Switch Filters, Diplexers, Quadruplexers, Phase Matched Broadband Couplers, Dual Lowpass Assemblies (L-Band thru Ku Band), Dual Diplexers, Dual Pentaplexers (UHF thru X-Band), Lumped Element Bandpass Filters, Four Channel Lumped Element Filters (UHF), Power Dividers and Dual Highpass Filters.

**Communications, Telemetry Command and Control (TC&C)**
CMT Filters

Development and production of high quality, High “Q” Microwave Filters has been at the core of CMT’s business since 1997.

CMT Inc. has developed and manufactured multitudes of Filter Designs. Our engineers and skilled operators represent decades of experience and innovation. We use state-of-the-art design software, programmable CNC’s and the highest quality materials available.

Some of CMT Inc’s customers include: Lockheed Martin, ITT, Northrop Grumman, Honeywell, Rockwell Collins, Sierra Nevada Corporation and Raytheon.

FILTER PRODUCTS

Bandpass Filters
Highpass Filters
Lowpass Filters
Band Reject Filters
Switch Filters
UHF, S Band, C Band
X Band, KU Band, K Band, KA Band
MIL-STD, Space Environmental Profiles
Compact, Ruggedized Case Designs, Connector Options
Customer Driven, Custom Specifications

COMMUNICATIONS & SIGINT

www.cmtfilters.com
CMT Inc. is a leader in the design and production of customer driven, custom filtering solutions. Our Duplexer, Diplexer and Triplexer designs allow multi-channel, multi-signal utilization for input multiplexing and output multiplexing. Transmit and Receive Channels are isolated by as much as 120dB Channel to Channel with insertion loses as low as 0.5dB for each port.

CMT Inc. products are currently designed and deployed into Space, MIL-STD uninhibited fighter environments, and many other aircraft, land-based and shipboard environments.

CMT excels in working with the customer in design and development of custom electrical and mechanical specifications tailored to the precise need and environment of the application.

Other Multiplexers

When simultaneous multi-channel operations are necessary, CMT’s multiplexing technology is among the industry leaders. Channelization and isolation of multiple signals of varying strength is achieved with intricate designs and highly skilled technicians. Multi-Channel, Broadband, Contiguous and Cascaded Designs are our specialty. CMT’s engineering team has an extensive design heritage portfolio of Multi-Band MUX’s from two to twelve channels.

Radar & Fire Control

Low loss, high performance broadband contiguous multi-plexers covering DC to 50GHz with stop bands to 70GHz, in TEM structure. Typical Topologies include Diplexer, Triplexer, Quadraplexer, and Pentaplexer.

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QUALITY

• AS9100 Compliant
• Quality System based on MIL-Q-9858A
• Inspection IAW with MIL-I-45208A
• Complete Material Traceability
• Calibration IAW ANSI/NCSLZ540-1
• J-STD-001DS Certified, including amendment 1
• Configuration Management IAW MIL-STD-961 / MIL-STD-490
• ISO 9001:2008 Certified

ADDITIONAL COMPANY INFORMATION

CMT Inc. is located in Rancho Cordova, California, just 70 miles East of San Francisco, at the base of the Sierra Foothills.
• Large staff of industry leading engineers
• Modern facility tailored to microwave component fabrication including two RF labs and class 100,000 cleanroom
• Full scale production Machine Shop
• ITAR Registered

For further information contact:

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Rancho Cordova, CA 95742
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Toll Free: (866) 761-9253

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CMT’s extensive design experience, proven manufacturing techniques and strong commitment to customer satisfaction allows us to produce the highest quality and most reliable filters possible.

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