TAKING COMMAND THROUGH THE DEVELOPMENT OF INNOVATIVE ELECTRONIC WARFARE AND RADAR TECHNOLOGIES
Microwave Products Group specializes in RF Filters, Switches and Integrated Microwave Assemblies (IMAs) from prototypes, up to high volume applications for the Electronic Warfare market.

**Innovation in Design**

The quest for ever higher levels of performance and cost competitiveness drives our design and development initiatives.

MPG’s next generation array of products, legacy design expertise and production facilities are a must for ever-changing threats.

**MPG Delivers**

**Core Product Expertise**
- Product Customization
- Preferred Supplier
- In-house Manufacturing

**Added Value Solutions**
- Integrated Microwave Assemblies (IMAs)
- Multi-Function Assemblies
- Modular Open System Architecture (MOSA)

**Highly Experienced Team**
- Develops Next Generation Market Solutions while maintaining affordability and reliability
- Continues enhancing processes to improve quality, reliability and cost

**Connect & Protect**

**Imperfect for:**
- RADAR & Electronic Warfare (EW) systems
- Command & Control vehicles (Ground, Naval, Airborne)
- Software Defined Radios (SDR)
- Vehicle Amplifier Adapters (VAA)

**Present and Future Dynamic Threats**

**Dominican Republic**
- ISO 9001:2008

**Salisbury**
- AS9100
- ISO 9001:2015

**Ventura**
- AS9100
- ISO 9001:2015
- ISO 14001:2015

**West Chester**
- AS9100
- ISO 9001:2015

**York**
- AS9100
- ISO 9001:2015
- ISO 14001:2015

Ideal for:
- RADAR & Electronic Warfare (EW) systems
- Command & Control vehicles (Ground, Naval, Airborne)
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Enabling Communication and Signal Control

Count on us for mission critical support
Integrated Microwave Assemblies (IMAs)

Maximizing integration is key to offering the best possible performance in a small form factor. We offer innovative low risk solutions, by utilizing our expertise in integrated small multifunction, modular sub-systems.

As filter & switch experts, MPG has built on a historic reputation of quality and performance by adding active capability around our passive RF devices. Multiple functions can be carried out by a single self-contained block incorporating amplification/gain control, temperature compensation and offsets, we provide digital functionality using FPGA control & calibration.

Cosite Mitigation at ALL Levels

Cosite Communication Interference Solutions

Ideal for SIGINT & COMINT applications, aboard ships and ISR aircraft, DF (Direction Finding) systems and other sensitive RF systems.

MPG is the premier provider of solutions for communications challenges arising from RF interference. Our products enable military platforms to simultaneously operate multiple radios on the same platform without degradation in performance, range or compromises in con-ops. Our integrated Cosite Equipment (ICE) line of products are incorporated between radios and antennas to enable simultaneous operation of all your communications, radar, SIGINT/COMINT and other RF systems.

Today’s electromagnetic (EM) environment has provoked new technologies.

• Multi-role devices and platforms
• Smaller, lighter, cost effective solutions

Cosite Analysis & System Integration

QFN - Extremely High Q

• L-Band (1 - 2 GHz)
• S-Band (2.4 - 3.5 GHz)
• X-Band (7 - 12 GHz)

2-18 GHz, Preselector Reconfigurable Filter Bank for ESM receivers

8 independent switchable channels, allowing user to dynamically change the passband performance on a pulse by pulse basis.

2-18 GHz Switch Filter Bank for ESM System
Preselector 8-channels 50n sec switch time. Built in test oscillator to ensure all channels are functional.

High Power Switch Filter Banks
100W VHF/UHF Bands
50W L Band / S Band

Systems are fully controlled through controller module(s)
with Windows based PC and removable hard drive.
Microwave Products Group unifies the heritage, product leadership and innovation of four world class brands to enable communication, provide signal control and take command of electronic warfare and Radar technology development

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