



MCV's vision:

MCV strives to become the leader in microwave and mmWave filter industry by integrating its proprietary materials, processing and automated design know-how to achieve highest RF front end system performance and quick-turn product design cycle for defense/aerospace and 5G commercial wireless communications.

MCV business goals:

MCV has been focusing on supporting defense and aerospace customers at MCV Microwave East in Delaware and streamlining ceramic commercial filter manufacturing from materials to automated production outside China. Our goal is to become the top leader in both high-reliability and commercial filter market three years from now.

MCV key products/services:

Products:

- High-Q/Low Loss Dielectric Ceramic Resonators and Substrates
- Metallized Substrates, Single layer Capacitors (SLCs) and Integrated Passive Components (IPCs)
- Filters: Ceramic from 100MHz to 70GHz; Lumped Element from DC to 10GHz, Cavity/Waveguide from VHF to mmWave
- Combiners: Multi-band Combiners, Diplexers, Triplexers, Quadruplexers and Pentaplexers, Same Band Combiners, Zero Guard Band 5G Multiplexer, Contiguous Multiplexer
- GPS/GNSS Antenna/LNA Modules
- Connectors/Cables and Adaptors: 50 ohms up to 145GHz, 75 ohms up to 12GHz

Solutions:

- Frequency Interference Mitigation
- Ultra-Low Passive Intermodulation (PIM) Test Bench