Q Microwave, Inc
An ISO 9001:2000 Certified Supplier

Space Qualified Filter Product

- Frequency Ranges from 20 MHz to 20 GHz
- Lumped Element, Combline Cavity, & Ceramic Resonator Designs
  - Heritage Qualified Lumped Element Designs – 885 MHz to 7 GHz
  - Heritage Qualified Combline Cavity Designs – 7 GHz to 17 GHz
- Custom Packaging Solutions
  - Hermetic & Non-Hermetic Packaging
  - Formed Lead, Micro-Strip, Surface Mount, and SMA / SMP Connector Interfaces
- Specialized Testing Capability
  - Phase & Amplitude Matching, Phase Noise, High Power
- Dedicated Program Management
- Physically Segregated Hi-Rel Production Lab
- J-STD-001DS Compliant Workmanship
- Reliability IAW MIL-HDBK-217F
- Full Environmental Screening
  - Thermal Cycle / Thermal Shock / Stabilization Bake
  - Vibration, Random & Sinusoidal / Mechanical Shock
  - PIND / Fine & Gross Seal Test
- On-Line Design Tools

Q Microwave, Inc.  
1591 Pioneer Way, El Cajon, CA 92020  
619-258-7322  
www.qmicrowave.com
Parts & Materials Control
- All Parts & Materials Traceable to Manufacturer Documentation
- All Non-Metallic Materials Selected from NASA Preferred Low-Outgassing Database
- Single Layer Parallel Plate Capacitive Substrates Standardized & Procured to MIL-PRF-38534, C.3.7 Tailored
- Inductors Wound “On-Line” from Controlled Material

Hermetic & Non-Hermetic Packaging
- Solder (Indium / Sn62 / Sn96) Sealing
- Seam Sealing
- Laser Sealing

Quick Turn Delivery for New Designs / Prototypes / EDUs
Design ➔ Prototype / EDU Build ➔ Delivery ➔ < 4 Weeks ARO*

( *Utilizing Q Std Packages )

Q Microwave is an ISO-9001:2000 Certified Supplier
- Documented Quality System & Manual
- Formal Failure Analysis, & Closed Loop Corrective Action Systems
- Ongoing Integrated Training Programs (J-STD-001 Certified)

Drawing from Established & Existing Expertise (50+ Years RF Design Experience), then Adding those Features Unique to Hi-Rel Applications
- Processes Identification, Control, & Approval
- Complete Parts, Materials, & Documentation Traceability
- XRF Screening for Prohibited Materials (Sn / Cd / Zn)
- Qualification Testing IAW MIL-PRF-38534, Class K (Tailored to Passive Devices)
- Deliverable Data Requirements & Long Term Records Storage

Dedicated Program Management, w/ 20+ Years Experience in Hi-Rel / Space-Borne Applications

Micro-Strip / Formed Lead / Surface Mount Interfaces
Q, Impedance, and Phase & Amplitude Matching
Tuning for Improved Filter Performance within Customer Circuit,
= “Drop-in”, Integration – Ready Product