

Fulfilling Diminishing Manufacturing Sources and Material Shortages Requirements

MAG fulfills Diminishing Manufacturing Sources and Material Shortages (DMSMS) requirements when the original manufacturer is either unable or unwilling to provide legacy RF devices. We are capable of reverse-engineering or redesign for various devices, and can provide technical data packages when required.

Experience

Microwave Applications Group (MAG) became a California corporation in 1969 to support electronically scanning antennas (ESAs) and other technologies using electronic steering and routing of RF signals. MAG develops ferrite-based components and subsystems, and other RF components and assemblies, to bring ESA systems and other RF devices to reality.

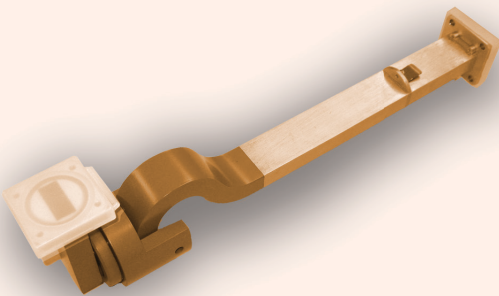
Solutions

MAG has provided, and continues to provide RF solutions for many well-known programs deployed on land, on the sea, and in the air, and provides devices and services for military, commercial, aerospace, government, and research applications. Microwave Applications Group is honored to support many programs around the world, especially those deployed in the defense of United States and allied interests, and we take commitment to our customers seriously.

Samples of devices MAG has provided in response to DMSMS needs are shown on the reverse side.



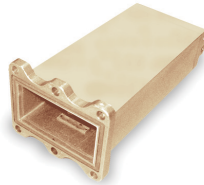
**MICROWAVE
APPLICATIONS
GROUP**



Fulfilling DMSMS Requirements

High-Power S-Band Load

MAG built and is qualified to supply these waveguide loads deployed on an airborne radar.



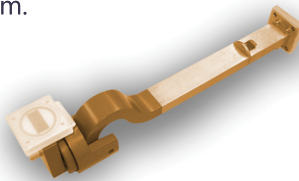
X-Band Microwave Ferrite Rotator

MAG developed a replacement rotator for an Army requirement, when the OEM was unable to support the program.



X-Band Rotary Joint

MAG built and is qualified to provide this rotary joint for use in an approach control radar.



UHF SP7T PIN Diode RF Transmission Switch

MAG performed reverse-engineering and provided technical data packages and SP7T PIN-diode switches for an established system.



UHF SP8T PIN Diode RF Transmission Switch

MAG also performed reverse-engineering and provided technical data packages and SP8T PIN-diode switches for the same system referenced above.



Ku-Band Monoscan Resolver Waveguide Assembly

MAG built a replacement waveguide assembly for a legacy range threat system.



Sample of programs supported by MAG as OEM:

- APQ-164 B-1B ORS
- APQ-181 B-2
- APS-143 CP-140 Imaging
- APY-1/2 E-3 AWACS
- AR320 3D Air Defense
- ARTS-V1 / CLPS
- ARTS-V2
- ASARS-2 Synthetic Aperture
- ARSR-4 FAA Long Range
- ASTOR
- DWSR-2501C Doppler Weather
- Global Hawk Synthetic Aperture
- I-15/23 Reflectarray
- I-30 Simulator
- MPN-14K Landing Control
- PAAS Test Range
- Princeton Plasma Physics Laboratory
- RAC 3D Air Defense
- Skyshield 35 Air Defense
- Smart-L 3D Air Defense
- SPN-35C Approach Control
- SPQ-9B Surveillance / Tracking
- TPAAS Test Range
- TRS-3D Multimode
- TRS22XX 3D Air Defense
- ZPQ-1 Predator TESAR

MAG DMSMS program support:

- MPQ-64 Sentinel SHORAD
- APY-1/2 E-3 AWACS
- BMEWS / PAVE PAWS
- HAWK
- SPN-35C Approach Control
- MSQ-T43 MTE System

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