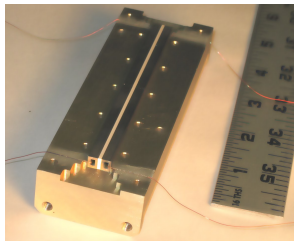
Broadening Our Horizons

MICROWAVE APPLICATIONS GROUP

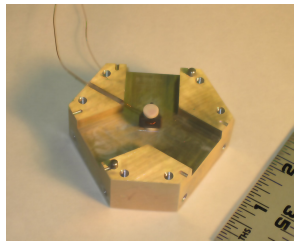
Toroid Phase Control Devices



MAG is under contract to deliver nonreciprocal toroidal phase shifters and is in initial stages of first-article development in preparation for serial production.

Ferrite Waveguide Circulator Switch

MAG is currently testing and tuning Y-junction switching circulators to fill a void in the industry and will deliver production units to an overseas customer.



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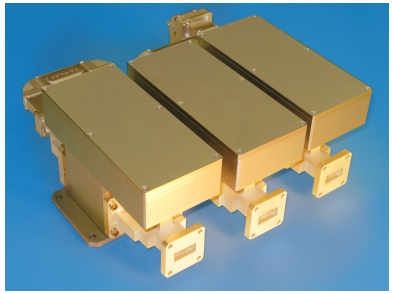
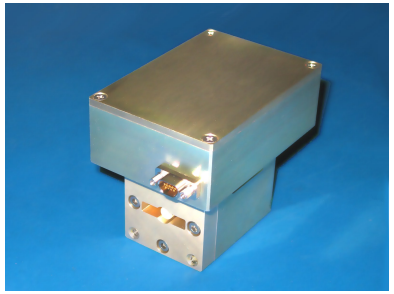
Continuing to support systems, as we have since 1969

Devices in Support of Doppler Radar

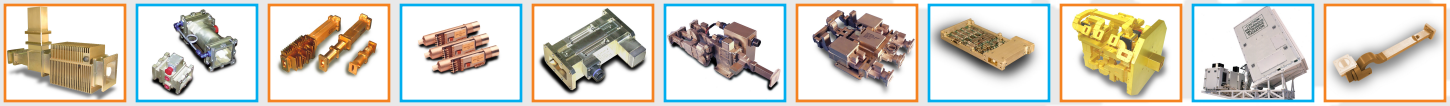


MAG is currently developing components for two customers' differing approaches to Doppler radar; one utilizing a stable 90-degree phase differential switch; the other incorporating a pair of commutating 0- and 90-degree phase shifters.



MAG was founded as a California corporation in 1969 to serve the government/aerospace/commercial market with high-technology microwave component and system activities from applied research through volume production.

Early growth of the company was made possible by the development at MAG of "Dual-Mode" and "Rotary-Field" ferrite phase control elements, the latter of which was subsequently used in electronic steering of the antenna for the USAF/Westinghouse E-3 Airborne Warning and Control System (AWACS) radar. MAG provided engineering services and hardware items throughout the feasibility study and engineering model phases of the AWACS program and continues as a supplier of hardware for production phase AWACS antennas. MAG also developed and supplied items for the Electronically Agile Radar (EAR), a USAF-sponsored program which served as a prototype for the B-1B APQ-164 Offensive Radar System. MAG subsequently received the contract to support the production of the Phase Control Modules (PCM's) for the B-1B Radar System and successfully produced in excess of 130,000 PCM's.



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