

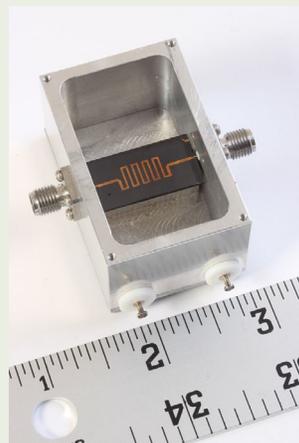
## FERRITE PHASE SHIFTERS

Metmagnetics' ferrite phase shifters are expertly designed with low insertion loss and high-power handling capability to satisfy the requirements of current and next-generation phased array systems. Available in surface mount or connectorized packages, components are manufactured to fit array spacing and the most demanding performance requirements.

Phase shifters can be deployed in surface, shipboard, airborne or space platforms at low cost because they do not require hermetic packaging as they are naturally radiation hardened. Metmagnetics' phase shifters are inherently analog devices, so high bit resolution can be achieved without a linear scale up of losses, a disadvantage of digital semiconductor devices.

Metmagnetics also develops and manufactures high efficiency, low power driver circuitry. The drivers can be assigned to address the most stringent tuning accuracy, response time, and jitter specifications. Continuously driven or latched operation can be realized to meet the power consumption requirements of a wide range of platforms. The result is a broadband, low loss, low cost, and high-power handling component.

The combination of high peak and average power handling capability with low insertion loss and low power consumption makes Metmagnetics' phase shifters well suited for both passive and corporate feed phased arrays and other radars. Metmagnetics has the manufacturing capacity in place to fill both small and large orders, and our team works diligently to ensure your product is expertly designed to meet all specifications.



**Fig. 1.** Ferrite phase shifters manufactured to fit array spacing and the most demanding performance requirements.

**Contact us today to learn more about our ferrite phase shifters.**

### ABOUT METAMAGNETICS

U.S. based and veteran owned, Metamagnetics develops and markets advanced RF and microwave solutions to enhance the performance and effectiveness of mission-critical security, surveillance and communication systems. Our unparalleled knowledge of electromagnetism and materials science empowers break-through technologies that can bring significant value to defense and commercial projects. Efficient and agile, our team can help you rapidly design and deploy innovative solutions for current and next-generation radar, sensing and related systems.

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