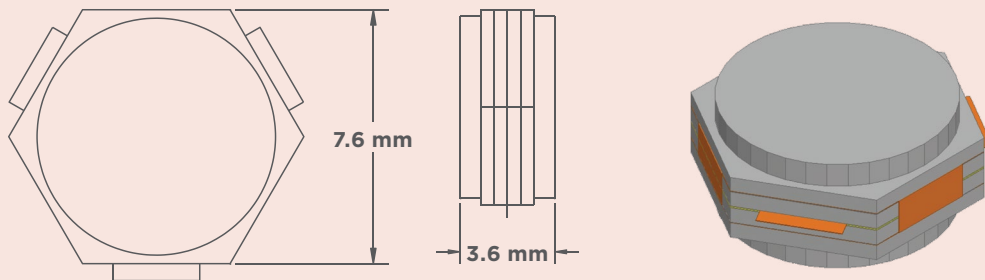


LUMPED ELEMENT CIRCULATOR

Typical Circulator Dimensions



Tuning

- The lumped element circulator can be tuned for any center frequency in the range of 0.8–2.4 GHz using external customer-furnished capacitors and inductors. A typical tuning network consists of one shunt capacitor, one series capacitor, and one series inductor.
- Wider bandwidths can be achieved using more complex tuning networks.

Mounting

- These circulators can be mounted to a housing or printed circuit board using conductive epoxy or solder.
- Alternatively, these circulators can be supplied with mounting flanges for screw attachment.
- Electrical interconnects can be implemented by soldering the circulator tabs to a printed circuit board.

Specification

Frequency GHz	Bandwidth %	Isolation dB (min)	Insertion Loss dB (max)	VSWR (max)	Power Handling (Watt CW)	Operating Temp (°C)
0.8 - 2.4	10	20	0.5	1.25:1	10	0 to +70

Disclaimer: The information outlined above are not final specifications. The information outlined above is provided as example specifications and are not the extent of our full capabilities, nor does Metamagnetics believe that the specifications list above will work with every application. Metamagnetics takes pride in working with each customer's exact specifications and meeting those needs to benefit your project.

Contact us today to learn how we can help with your project.

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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