

# CUSTOM MAGNETICS

## RFI SPECIALTY COMPONENTS PROGRAMS

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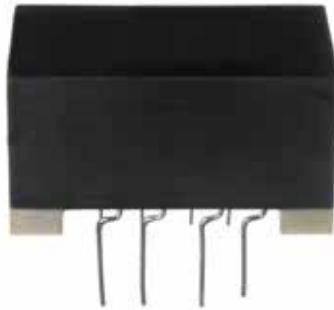
EMS

**Ultra**  
ELECTRONICS

## CUSTOM MAGNETIC PRODUCTS

Ultra EMS designs and manufacturers complete magnetic systems. It also designs and manufactures the components used in those systems. As a consequence, the component engineers of EMS know very well how to leverage the design of its components in order to produce optimal performance at the system level.

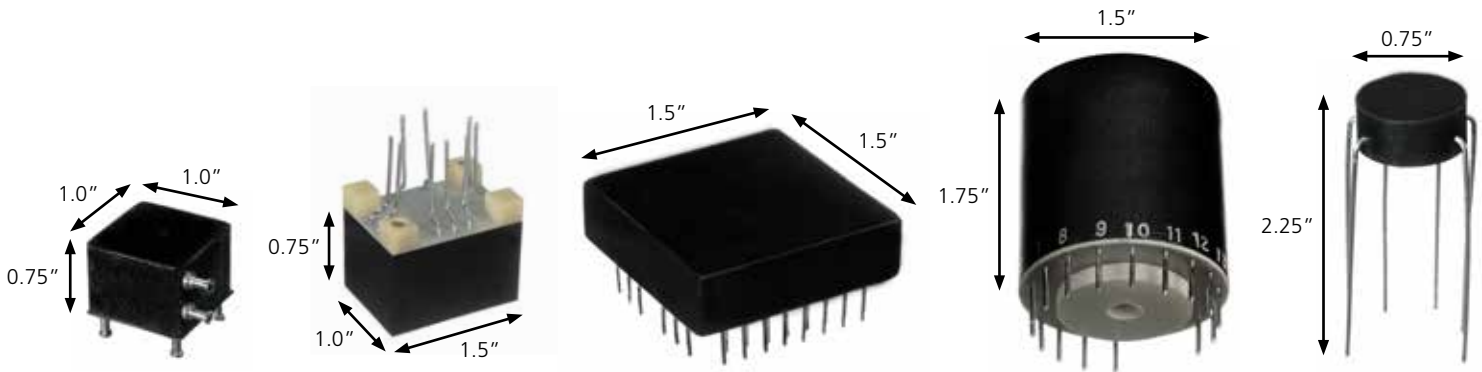
The Magnetic components produced by EMS are military-grade, and are often the preferred choice for applications in defense, aerospace, medical, telecommunication, and industrial equipment.



EMS

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ELECTRONICS

Multiphase Power Isolation Transformers Designed to Meet Low Input Current Harmonics of Mil-STD-1399 and DE-160F



## TRANSFORMERS & INDUCTORS

These products are 100% custom-designed using virtually any bobbin or core configuration. Performance and feature options include high frequency, high current, high vibration, high shock, high voltage, pulse, auto toroidal, gate drive, single-phase and poly-phase. All magnetic products meet Mil-PRF-27.

### Specification Ranges

Power levels: 1mW to 100kW

Frequency: 1Hz to 1MHz

Working voltage: 50V to 10kV

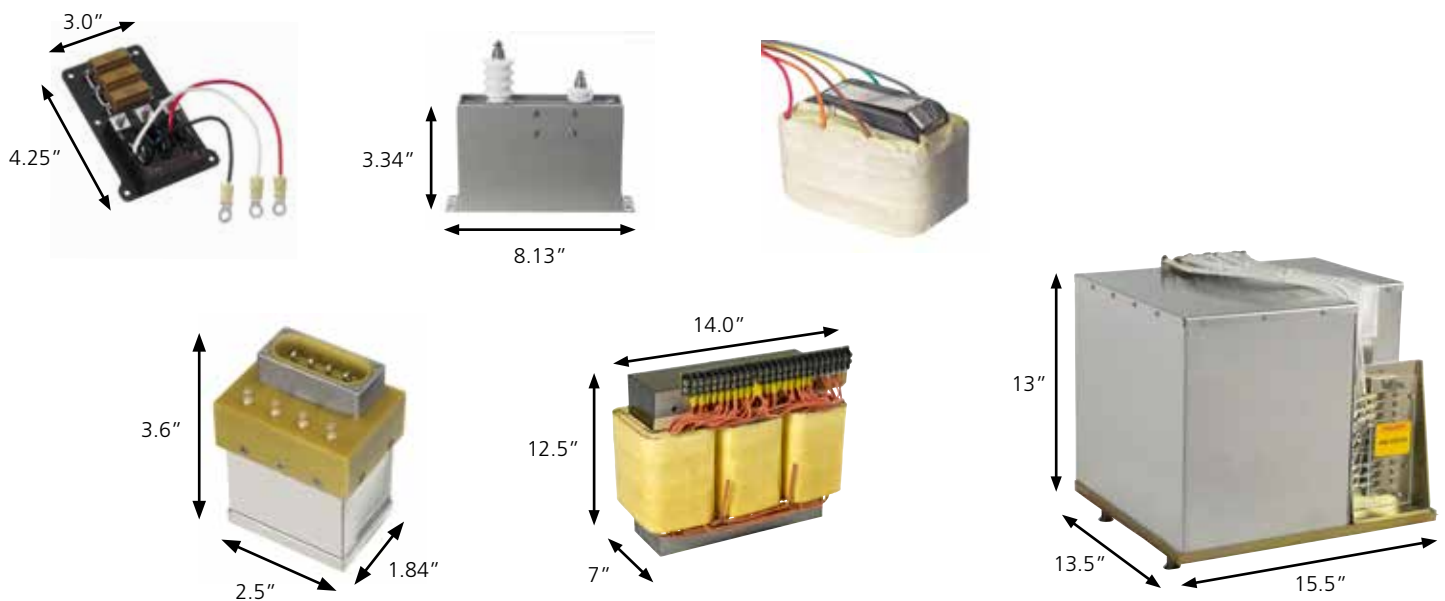
Rated current: .001 mA to 1000A

Inductance: 0.001 mH to 100H



## OTHER PRECISION MAGNETIC COMPONENTS

This is a broad portfolio of successful output that includes DC Reactors, Charging Reactors, Modulators, ATRUs, TRUs, and Pulse Forming Networks.



In-house capabilities include Corona testing, soldering to J-STD-001, potting and hermetic sealing and seal testing. Ultra EMS is AS9100 rev. D/ISO 9001:2015 certified.