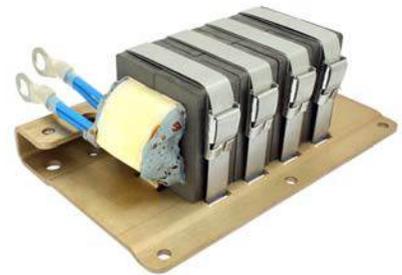




## Custom Capabilities Power / Filter Inductors



### PRODUCT TYPES

- Power inductors: drum cores, toroids, rod cores, E cores, U cores, pressed powder  
Capabilities:
  - Frequencies < 5 MHz
  - Current to 1000 A
- Common mode chokes - toroidal, E cores  
Capabilities:
  - Frequencies to 30 MHz
  - Currents to 50 A
- Differential mode chokes - E cores, U cores, rod cores, toroidal cores  
Capabilities:
  - Frequencies to 30 MHz
  - Currents to 50 A
- Line reactors: flat wire winding construction  
Capabilities:
  - Current to 1000 A

### OVERALL CAPABILITIES

- Operating temperature range from -55 °C to +220 °C
- Designed to meet UL, CSA, VDE, and IEC safety requirements
- Ruggedized packages for extreme environments
- AEC-Q200 qualified (automotive compliant)
- Space grade compliant to MIL-STD-981
- Multi-site manufacturing - USA, Dominican Republic, Mexico, China

### MATERIAL / PROCESS CAPABILITIES

- Conductor geometries: litz wire, foil, round magnet wire, rectangular magnet wire, square magnet wire, planar, stamped windings
- Conductor materials: copper, aluminum
- Core materials: ferrite, powdered iron alloys, MPP, high flux, Kool Mu®, amorphous, tape wound, laminated
- Terminations: through-hole, SMD, press fit, flying lead
- Potted and vacuum varnish impregnated
- Lead (Pb)-free capability
- Automated winding, soldering, assembly, and test capability
- SOLIDWORKS® and AutoCAD 3D design software

### INDUSTRIES SERVED

To view our custom magnetics application capabilities brochure, click below.

- [Avionics](#)
- [Military](#)
- [Medical](#)
- [Industrial controls](#)
- [Automotive](#)
- [Test and instrumentation](#)
- [Space](#)
- [Alternative energy](#)

### CONTACT INFORMATION

For design assistance, please contact: [custommags@vishay.com](mailto:custommags@vishay.com)

To order products, please use the electronic order form: [www.vishay.com/landingpage/custom-magnetics/inductorform.html](http://www.vishay.com/landingpage/custom-magnetics/inductorform.html)



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