

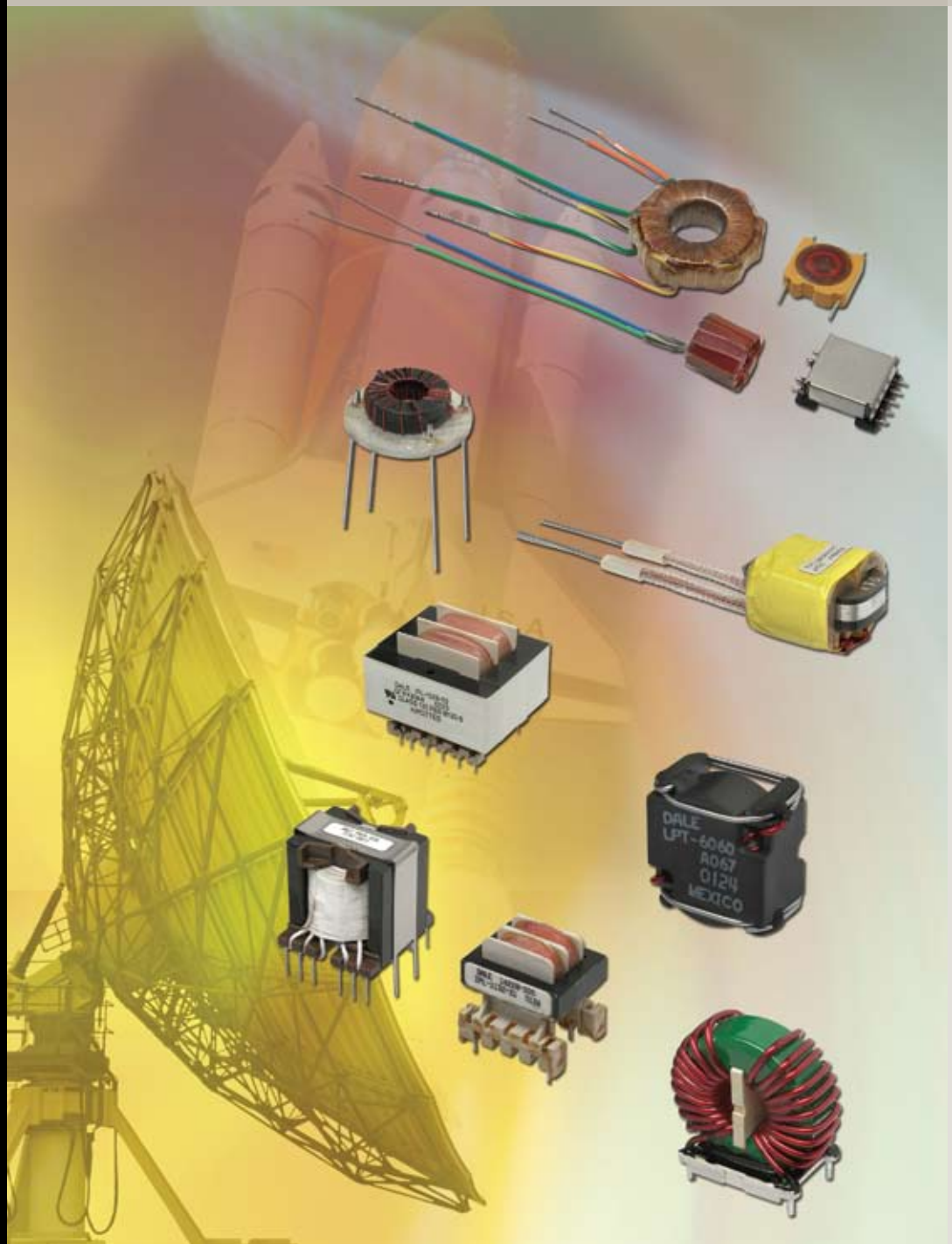


VISHAY INTERTECHNOLOGY, INC.

MAGNETICS

CUSTOM MAGNETICS

CAPABILITIES





CUSTOM MAGNETICS

Capabilities

Vishay is recognized as a leading manufacturer of the custom magnetics used in implantable medical devices, instrumentation equipment, avionics and aerospace controls, and many other applications. Featuring an engineering staff with over 100 years of design experience, Vishay Dale has extensive facilities that offer automotive, ITAR, and ISO certifications in place; finite element analysis software for design optimization; process engineering support on site; and much more. Vishay's magnetics are available with a wide range of electrical and mechanical specifications to meet the needs of a variety of applications, including power, audio, converter, pulse, and high-voltage transformers, and switching magnetics. To request a custom device, please complete the form at www.vishay.com/ppg?34003 or E-mail us at magnetics@vishay.com.

Advantages of Vishay Dale

- High quality
 - North American manufacturing and engineering
 - Automotive and ISO certifications in place
 - Excellent communications
- Finite element analysis software (Ansoft) for design optimization
- Design engineering staff with over 100 years of design experience
- Benefits of low-cost labor
- ITAR certified production facilities
- Process engineering support on-site
- Extensive experience in aerospace/military and medical magnetics
- Personal service of small company backed by resources of Vishay

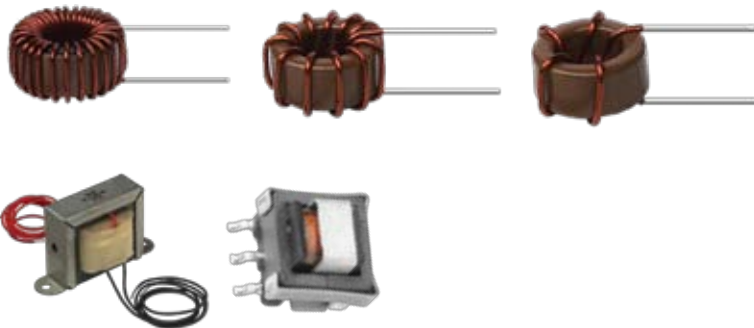
Quality Certifications – Yankton, SD Facility

- ISO 9001: 2000
- ISO/TS 16949: 2002
- AS 9100: 2004-01
- ISO 14001: 2004

Quality Certifications – Juarez, MX Facility

- ISO 9001: 2000
- ISO/TS 16949: 2002
- ISO 14001: 2004
- ITAR-qualified facility

Custom Magnetics



Electrical Specifications

- Frequency: to 500 MHz
- Current: 60 A maximum
- Temperature: to 200 °C
- 50 Hz to 400 Hz, VA ratings to 100 VA
- Inductance values to 20 H
- Specialty models in low profile and PC mount

Mechanical Specifications

- Winding: bobbins, toroids, and coilforms
- Wire gauge: #8 to #50
- Custom core and bobbin designs available

Power Transformers

- Capabilities encompass many styles, including: toroidal, laminated, E core, pot core, slug core, and air core

Audio Transformers

- Coupling transformers and hybrid transformers available in PC mount, leadset, and low profile

Transformers

- Switching magnetics, converter transformers, pulse transformers, and high-voltage transformers

Vertical Integration:

- In-house facilities for tooling design and fabrication
- Injection, transfer, and insert molding
- Electroplating facility
- Automated and semi-automated processes for coil winding, soldering, assembly, and test
- Reliability test lab with full MIL-Spec qualification test capability
- Certified soldering program

Transformers



Toroids



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SEMICONDUCTORS:

Rectifiers • High-Power Diodes and Thyristors • Small-Signal Diodes • Zener and Suppressor Diodes
• FETs • RF Transistors • Optoelectronics • ICs • Modules and Assemblies

PASSIVE COMPONENTS:

Resistive Products • Magnetics • Capacitors • Strain Gage Transducers and Stress Analysis Systems



One of the World's Largest Manufacturers of
Discrete Semiconductors and Passive Components

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