



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

Vishay Dale Inductors Review of Select Products - 2009

Build **Vishay**
into your **Design**

Vishay Dale Inductors

Vishay Intertechnology – Inductor Division Manufacturing Sites



Yankton, SD

Juarez, Mexico



Beersheva, Israel

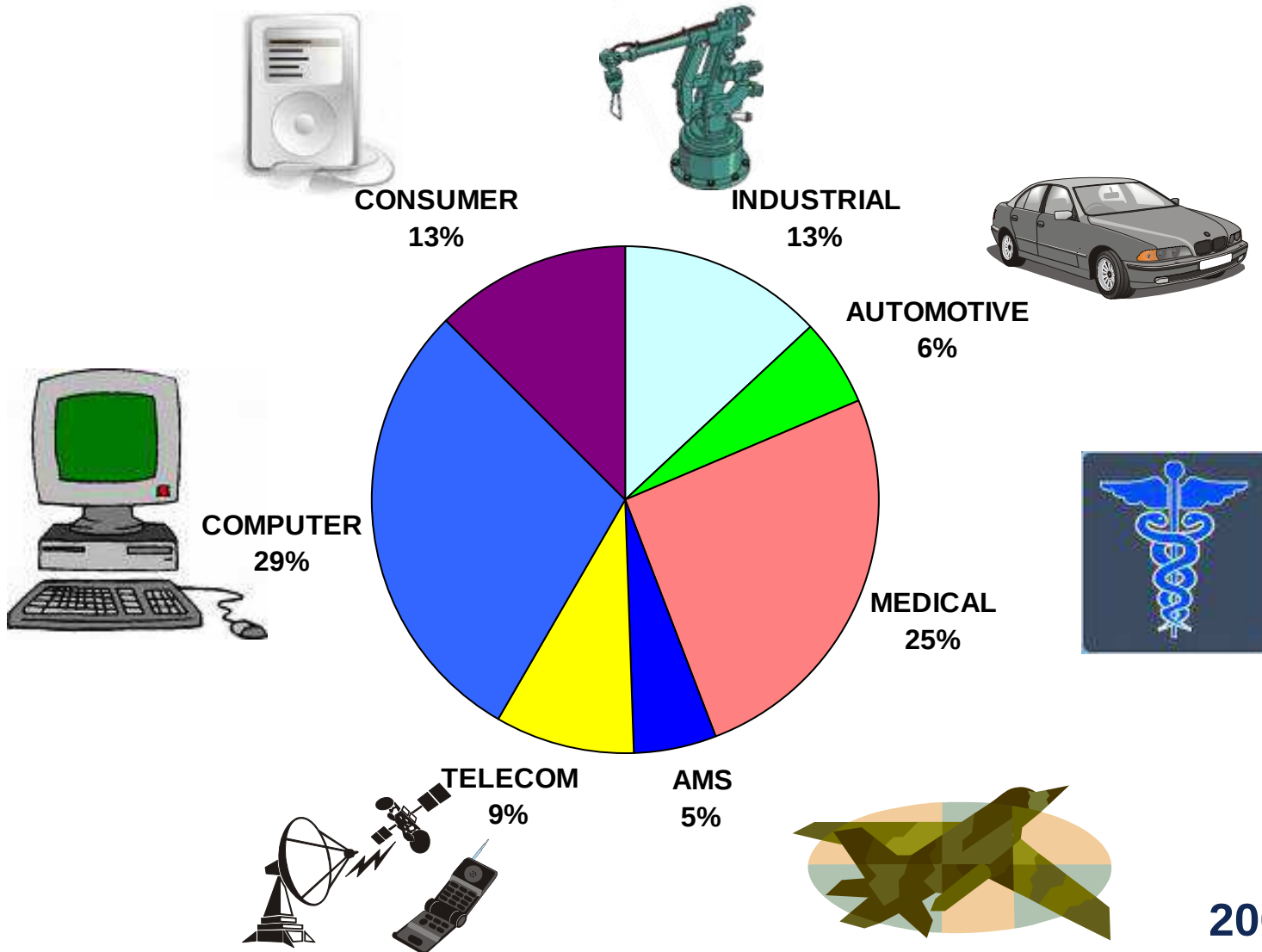


QUALITY CERTIFICATIONS

AMERICAS: QS-9000, ISO-9001, ISO-9002, ISO-14001 ISO/TS-16949, AQS-9000
ISRAEL: QS-9000, ISO-9001, ISO-14001, ISO/TS-16949

Vishay Dale Inductors

Where We Sell our Products



2008 Data

Vishay Dale Inductors



• Inductors (Two Terminals)

- SMD Inductors
- Leaded Inductors
- Flux Antennas

• Transformers (3 or More Terminals)

- SMD Transformers
- Leaded Transformers
- Aerospace and Military
- Medical

• Impedance Beads

- Single
- Arrays

• Frequency Control

- SMD and Leaded Crystals and Oscillators

• Connectors

- Standard Connectors
- Custom Connectors

New Products



• IHLP and IFLP Power Inductors

- Widest Range of Size and Values
- New 6767 Size Now Available
- Current Rating Up to 100 A
- Values Up to 100 μ H

• IHTH Power Inductor

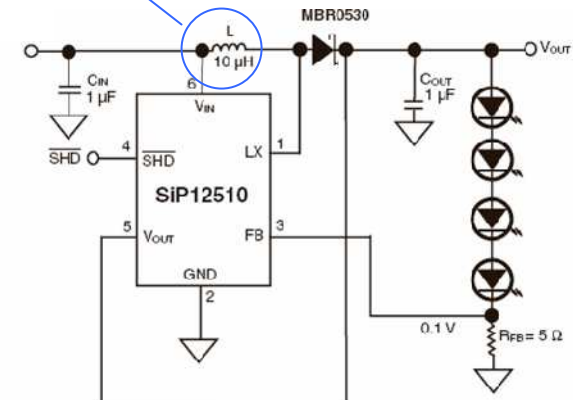
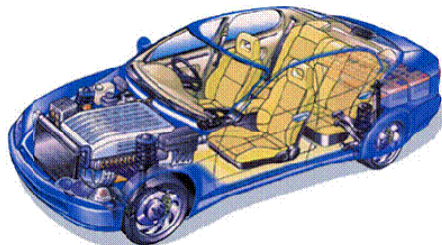
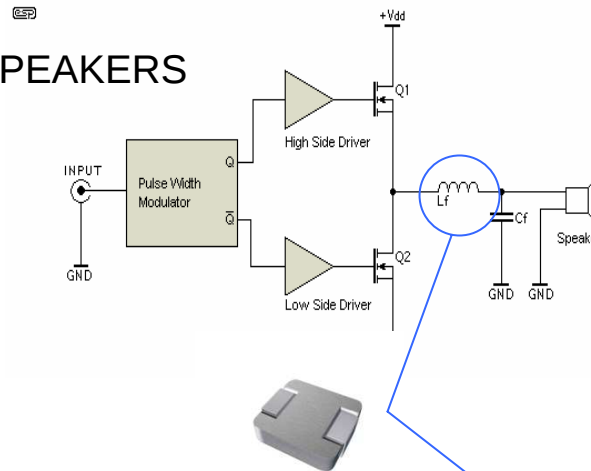
- 155+ deg C Operation
- Excellent Saturation
- Up to 2X Size Reduction over Toroids and Other Magnetic Shapes

• TJ5-HR and TJ3-HT 200 deg C Operation

- Standard Toroid Series
- High-Temperature
- Values Up to 470 μ H
- Rated Current Up to 30 A
- Horizontal and Vertical Mount Available

Power Inductor Applications

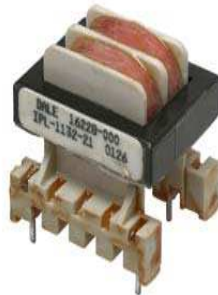
- DC/DC CONVERTERS – POWER SUPPLIES
 - COMPUTERS – NOTEBOOKS, GRAPHICS, SERVERS
- CLASS “D” AMPLIFIERS
 - LCD TVs AND PORTABLE MP3 SPEAKERS
- LED DRIVER POWER
 - DLP TVs
 - LCD BACKLIGHTS
- AUTOMOTIVE
 - DC/DC CONVERTERS
 - FILTERS FOR NOISE SUPPRESSION
 - HID LIGHTING
 - MOTORS – HVAC, WIPER, POWER ACCESSORIES



Main Products

• Custom Magnetics

- Sizes up to 100VA
- Wire Sizes: #8 to #50 AWG
- Extensive Medical Design Experience
- Extensive Aerospace and Military Experience
- FAE Software to Aid in Design
- Low-Cost North American Manufacturing Site



Main Products

- Standard and Custom Connectors
 - Edgeboard
 - Rack and Panel
 - High-Reliability Military and Aerospace



Main Products

• Chip Inductors

- Wide Range of Sizes and Values
- Up to 2-GHz Operation

• Shield Beads

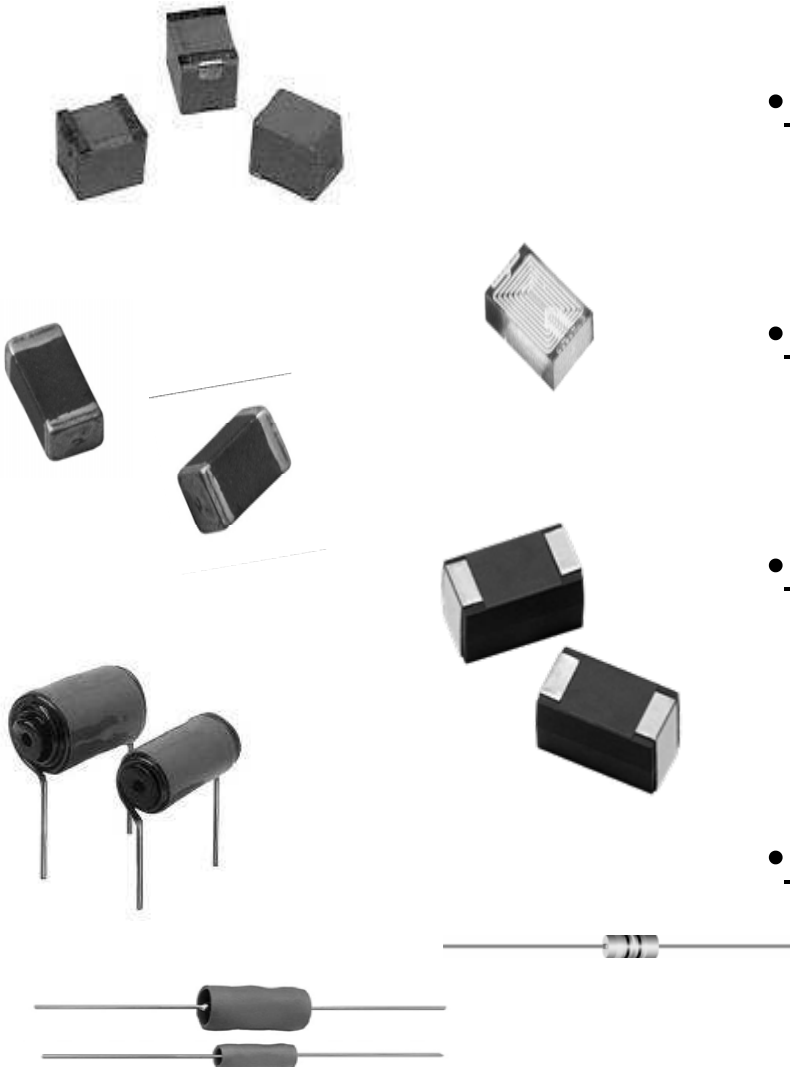
- Many Sizes and Values Down to 0402
- Array and High Current

• IHSM Power/RF Inductors

- Values to 18 mH
- Completely Encapsulated for High Reliability
- Compliant Leads for Shock and Thermal Stability

• Axial Products

- Full Line of RF and Power Through-Hole Products
- Available in Pb-Free and Pb-Bearing Versions



Featured Inductor Products

New Sizes / Footprints Available in IHLP® Series

IHLP-2020AB / IHLP-2020BZ / IHLP-2020CZ
IHLP-6767CZ / IHLP-6767DZ / IHLP-6767GZ

FEATURES

- Shielded construction
- Frequency range: up to 5 MHz
- Excellent inductance and saturation stability versus temperature
- Standard inductance values: up to 22 μ H
- Current rating: up to 100 A
- 100 % lead (Pb)-free and RoHS-compliant

APPLICATIONS

- Automotive
- PDA / notebook / desktop / server applications
- Low-profile, high-current power supplies
- DC/DC converters

High-Current, High-Temperature Toroidal Inductors

TJ3-HT / TJ5-HT

FEATURES

- High temperature rating of 200 °C with no aging
- Toroid design reduces EMI
- Vertical and horizontal mounting options
- 100 % lead (Pb)-free and RoHS-compliant

APPLICATIONS

- Switching power supplies
- EMI / RFI filtering
- Output chokes
- Automotive
- Deep-well drilling

High-Current, High-Temperature Inductors

IHTH-0750 / IHTH-1125

FEATURES

- +155 °C operation
- Shielded construction
- Frequency range: up to 1 MHz
- Handles high transient current spikes without saturation
- 100 % lead (Pb)-free and RoHS-compliant

APPLICATIONS

- Automotive
- Deep-well drilling
- Desktop / server applications
- Line filters

Vishay Dale Inductors



- Visit www.vishay.com/inductors for more information