Custom Capabilities Power Transformers
All Switch Mode Power Topologies

PRODUCT TYPES
• Switch mode power topologies: flyback, forward converter, push / pull, full bridge, half bridge, LLC resonant, isolated buck
  Capabilities:
  - Frequencies to 10 MHz+
  - Power levels to 10 kVA
• Gate-drive transformers
  Capabilities:
  - Frequencies to 500 kHz
  - MOSFET / IGBT voltages to 1200 V
• Current sense transformers
  Capabilities:
  - Frequencies from 50 Hz / 60 Hz to > 10 kHz
  - Current to 5000 A
• Linear single phase and three phase power transformers
  Capabilities:
  - Frequencies to 50 Hz / 60 Hz, 400 Hz
  - Power levels to 10 kVA

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
To order products, please use the electronic order form: www.vishay.com/landingpage/custom-magnetics/transformerform.html
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