



The Art of Inductors

POWER INDUCTORS IHLP-01 Series Case sizes 1616 through 6767 Best saturation Lowest core loss	POWER INDUCTORS IHLP-A1 Series Cases sizes 1616 through 6767 Automotive version of the -01 series	POWER INDUCTORS IHLP-11 Series Case sizes 1212 through 6767 Medium permeability series Low DCR	POWER INDUCTORS IHLP-1A Series Case sizes 1616 through 8787 Automotive version of the -11 series	POWER INDUCTORS IHLE Integrated E-Field shield eliminates the need for separate shielding Up to 20 dB E-Field reduction at 1 cm	POWER INDUCTORS IHCL Coupled inductor manufactured with IHL technology Designed for SEPIC circuits	TRANSFORMERS Custom – Automotive High current transformers and inductors Focus on EV and HEV high voltage inverters Unique, thick copper conductors for up to 7.5 kW	TRANSFORMERS Custom – Aerospace / Military Cockpit controls and backlight displays Mobile communications systems Missile launch and guidance systems	TRANSFORMERS Custom – Industrial Switch mode power transformers, input / output inductors, filter inductors Focus on complex designs for rugged environments Winding construction includes: edgewound coils, planar coils, bobbin-wound coils, and toroidal coils	TRANSFORMERS Custom – Medical Charging transformers Telemetry coils Custom inductors for implant market	TRANSFORMERS LPT Series Toroidal designs available in three different core materials	TRANSFORMERS LPE Series E-core transformers in gapped and ungapped configurations
POWER INDUCTORS IHLP-51 Series Case sizes 1616 through 8787 High temperature series	POWER INDUCTORS IHLP-5A Series Case sizes 1616 through 8787 Automotive version of the -51 series	POWER INDUCTORS IHLP-81 Series Case sizes 1616 through 8787 180 °C operating temperature range	POWER INDUCTORS IHLP-8A Series Case sizes 1616 through 8787 Automotive version of the -81 series	POWER INDUCTORS IHLD Optimal design realizes high quality sound and low distortion Low coupling for minimal cross-talk between inductors	POWER INDUCTORS IHSM 4 case sizes available High inductance values up to 18 mH	HIGH FREQUENCY IMC Surface-mount molded inductor 0402 to 2220 case sizes	HIGH FREQUENCY IMC-01 Surface-mount wirewound inductors High SRF values High Q values	HIGH FREQUENCY IFCB Thin film chip inductor Tight tolerances Stable inductance over high frequencies	HIGH FREQUENCY ILC Multilayer ceramic inductor High reliability	HIGH FREQUENCY ISC Surface-mount molded shielded inductors 1210 and 1812 case sizes	PLANAR TRANSFORMER TPL Higher power density levels versus traditional planar designs Easily customized to meet design specific requirements Full bridge/half bridge converter applications from 150 W to 300 W
POWER INDUCTORS IHTH-0750 / 1125 Through-hole inductor manufactured with IHL technology Automotive Grade	POWER INDUCTORS IHXL Shielded construction High temperature, up to 155 °C Automotive Grade	POWER INDUCTORS IFSC Shielded ferrite Small sizes	POWER INDUCTORS IHHP Magnetic alloy power choke coil Miniature 0806 and 1008 sizes Magnetic shielding	POWER INDUCTORS IFLR Series 4 case sizes available High current, over 50 A High frequency VRM10.0 applications	MULTILAYER ILSB 0603 / 0805 / 1206 case sizes High reliability Magnetically self shielded	MULTILAYER ILBB Ferrite bead series 0402 to 1812 cases sizes Magnetically self shielded	MULTILAYER ILHB High current ferrite bead series 0603 to 1812 case sizes Magnetically self shielded	MULTILAYER ILAS Chip array ferrite bead Combines four single 0603 chips into one package Minimal cross-talk between adjacent circuits	FILTER INDUCTORS IHV High current filter inductor Radial leaded Designed for switching power supplies	FILTER INDUCTORS IHD / IHA Printed circuit mounting (axial leads) Protected by polyolefin tubing Pre-tinned leads	FILTER INDUCTORS IH High current filter inductor Radial leaded Pre-tinned leads
POWER INDUCTORS IFL Series Ferrite core with polyurethane enameled copper wire Inductance up to 100 µH 3 case sizes available	POWER INDUCTORS IFLS Series Shielded ferrite core with polyurethane enameled copper wire Inductance up to 100 µH 3 case sizes available	POWER INDUCTORS IDC / IDCS / IDCP Drum core inductors available in multiple sizes Shielded and unshielded	POWER INDUCTORS TJ3-HT / TJ5-HT Toroid High temperature, up to 200 °C Vertical or horizontal options	COMMON MODE ICM-0805 / 1206 Common mode choke Used for filtering	COMMON MODE ICM-2824 / 3528 / 4743 Common mode choke Used for DC power lines	FILTER INDUCTORS IHB High current filter inductor Radial leaded 6 sizes available, wide range of inductance values	AXIAL LEADED IRF Epoxy conformal coated, axial inductors Ferrite core Uniform roll coated	WIRELESS CHARGING IWTX-47ROBE Transmit coil 6.3 µH and 24 µH values available Custom options available	WIRELESS CHARGING IWTX-4646BE Transmit coil 24 µH Custom options available	WIRELESS CHARGING IWAS-4832 Receive coil Available in 5 W, 7 W, and 10 W options Custom options available	WIRELESS CHARGING IWAS-3827 Receive coil 10.7 µH for 5 W and 10 W applications Custom options available

LEGEND

- Power Inductors
- Multilayer
- Axial Leaded
- Common Mode
- Wireless Charging
- Filter Inductors
- High Frequency
- Transformers
- Planar Transformers



Vishay Intertechnology manufactures a broad range of inductors. We provide one-stop service to engineers looking for industry-leading components for demanding and diverse applications.



***UNFOLD OUR
INDUCTORS
CAPABILITIES***