



POWER PRODUCTS BUSINESS UNIT

Pulse Electronics Power PBU has been designing and manufacturing power magnetic components for more than 50yrs. We have a rich history of product and manufacturing innovation, a diverse patent portfolio and world class automated assembly and test which allows us to ramp quickly and produce cost-effective, high-quality, robust and reliable components.

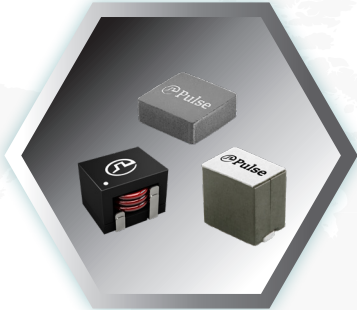
We offer a complete line of catalog power magnetics for switch mode power applications including [Power Inductors](#), [Power Transformers](#), [Isolation Transformers](#), [Current Sense Magnetics](#) and [Common Mode Chokes](#) in through-hole, surface mount and pin-in-paste terminations. In addition to our extensive catalog line we also design and manufacture custom and application specific magnetic solutions for our key OEM, EMS and Distribution partners.

Pulse Power PBU strives to be a true design and production partner for our customers by utilizing our:

- Proven [design](#) and manufacturing [expertise](#):
 - o 3D mechanical modelling and [finite element analysis](#)
 - o Safety Agency Engineers
 - o Component level efficiency testing.
- In-house [AEC-Q200 stress test](#) qualification capabilities.
- [ISO](#) and [IATF](#) certified manufacturing sites.
- [Localized technical support](#) from experienced Product Marketing and Field Application Engineers.

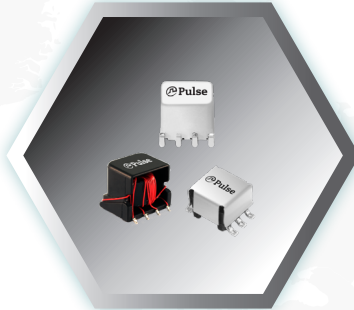
Our Products

from mW to kW,
we will help make your next great product a reality



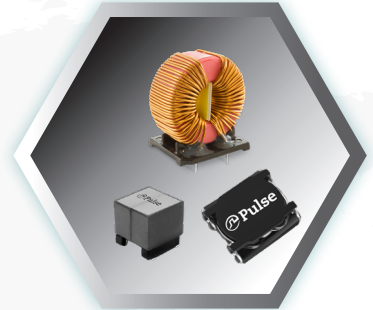
Power Inductors

- Power Bead, Molded, Composite, Drum Core and Toroid Constructions
- Over 100Apk



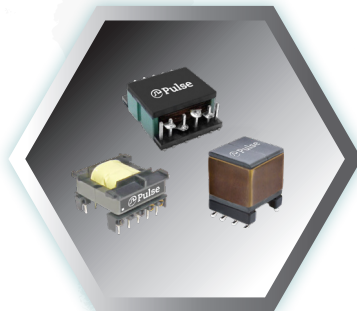
Isolation Transformers

- Push-pull, Flyback and H-Bridge topologies
- Functional, Basic and Reinforced Insulation
- Up to 5kVrms Hi-pot*



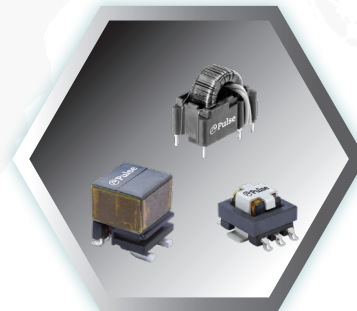
Common Mode Chokes

- NiZn, MnZn and Nanocrystalline Materials
- Up to 45Arms



Switch Mode Transformers

- Multiple Topologies
- Up to 2kW
- Functional, Basic and Reinforced Insulation



Current Sense Magnetics

- Functional, Basic and Reinforced Insulation
- Up to 40Arms

Our Markets

from small consumer devices to large utility installations,
power magnetics are everywhere



Communications



Computing



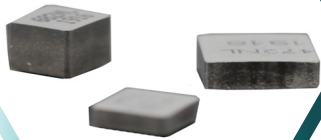
Transportation



Industrial

Composite Power Inductors

PNs PA500x, PM220x, PA543x, PM543x, PA224x, PM224x



- o High Current, Low DCR and High Efficiency
- o 0.1uH to 50uH, Up to 120Apk
- o Twenty platform sizes from 4.3x4.3mm to 16.8x15.8mm
- o IATF16949 automotive grade certified, AEC-Q200 qualified
- o 155C Temperature Rating

Optimized Power Transformers

PNs PA5099, PA5100, PA5130, PA5131, PA3855, PA3856



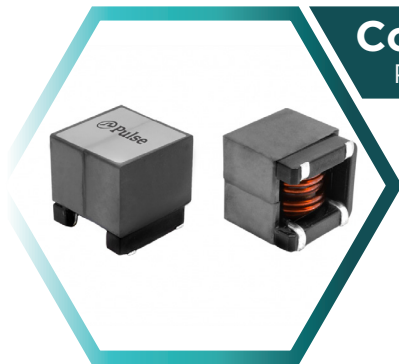
- o EP7+ (13.6x11.0x15.5mm), EP10+ (15.1x13.0x15.0mm) and EP13+ (17.7x14.5x14.0mm) platforms
- o Designed for Active Clamp and CM Flyback Topologies
- o 2X Power Density in Industry Standard Footprint
- o 9-57v & 33-57v inputs
- o 3.3v to 24v outputs up to 27W

Current Sense Magnetics

PNs PH9505 and PH9500



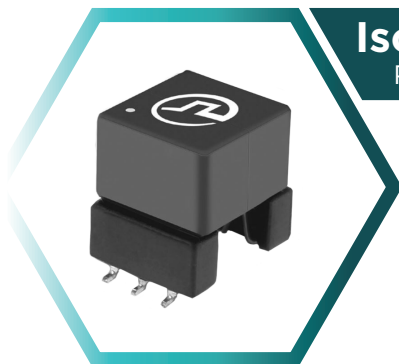
- o Multiple Turns Ratio (1:50 up to 1:180)
- o PH9500 (10Arms, 4400Vdc, Basic Insulation with 8.2mm creepage)
- o PH9505 (30Arms, 3000Vrms, Reinforced Insulation with 6.5mm creepage)
- o Unique packaging to minimize footprint (14x13x8.8mm and 13.6x12.8x14.4mm)



Common Mode Chokes

PNs PA5140 and PA5141

- o Multiple Inductance and Impedance Values
- o 110/33Arm to 350uH/13Arms
- o EP18 (19.5x19.8x19.2mm) and EP22 (23.5x24.3x22.7) Platforms
- o Functional Insulation and 1000Vrms Hi-pot



Isolation Transformers

PNs PH9185 and PM2190

- o Commercial and Automotive Grade
- o Compact Platform (10x10x12.5mm)
- o 5kVrms Hi-pot, 8.0mm Creepage, Reinforced Insulation
- o Suitable for push-pull and bridge topologies



Power Bead Inductors

PNs PA4990, PA5187, PA4987, PA5041

- o Over 50 catalog platforms from 4.1x4.1mm to 13.7x13.0mm
- o Designed for multi-phase buck topologies to power processors, memory, graphics cards and high power ASICs and FPGAs
- o Low DCR (<0.12mOHms) & high current (>140Apk)
- o High Frequency Ferrite Core to Minimize Losses