



Extended Magnetic Solutions

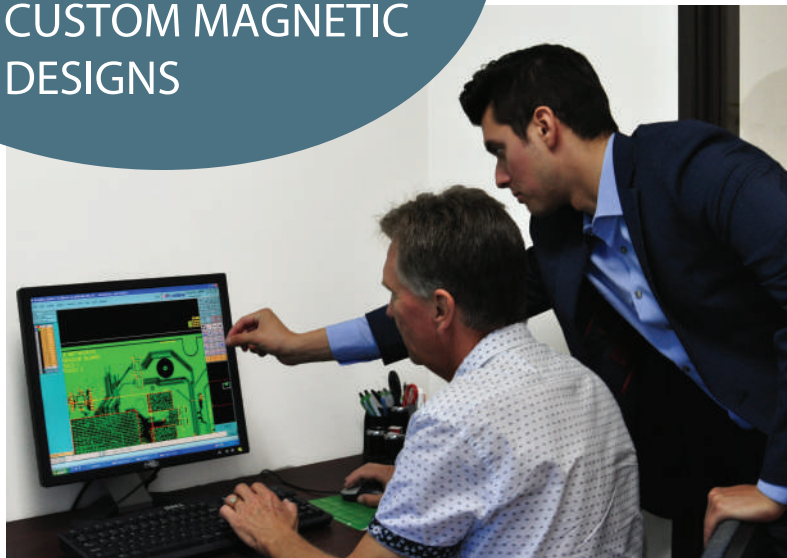
RJ45 Connectors with Magnetics

Features	RJ45 Types
■ Integrated Magnetic	■ 10/100/1,000Base-T
■ Tab Up or Down	■ 10Gbase-T
■ LED Color Options	■ 2.5Gbase-T
■ RoHS Compliant	■ RJ45 + USB Combo
■ 1,500 Vrms Isolation	■ PoE/PoE +

LAN Modules

Features	LAN Module Types
■ Compact Footprint	■ 10/100/1,000Base-T
■ 350μH OCL	■ 10Gbase-T
■ Dielectric 1,500VAC	■ 2.5Gbase-T
■ RoHS Compliant	■ PoE @ 350 mA
■ SOIC/SMT Packages	■ PoE + @ 600 mA

CUSTOM MAGNETIC
DESIGNS



PalPilot's Magnetic components are designed according to your exact mechanical and electrical specifications. Highly qualified magnetics designers work directly with your design team to develop magnetic components that meet all your performance requirements. We provide technical support of your magnetic designs from concept to production.

- Cost - Effective Design Solutions
- Quick RFQ Processing
- Prototype Validation Support
- EMC Compliance Support

MAGNETIC PRODUCTS

www.palpilot.com
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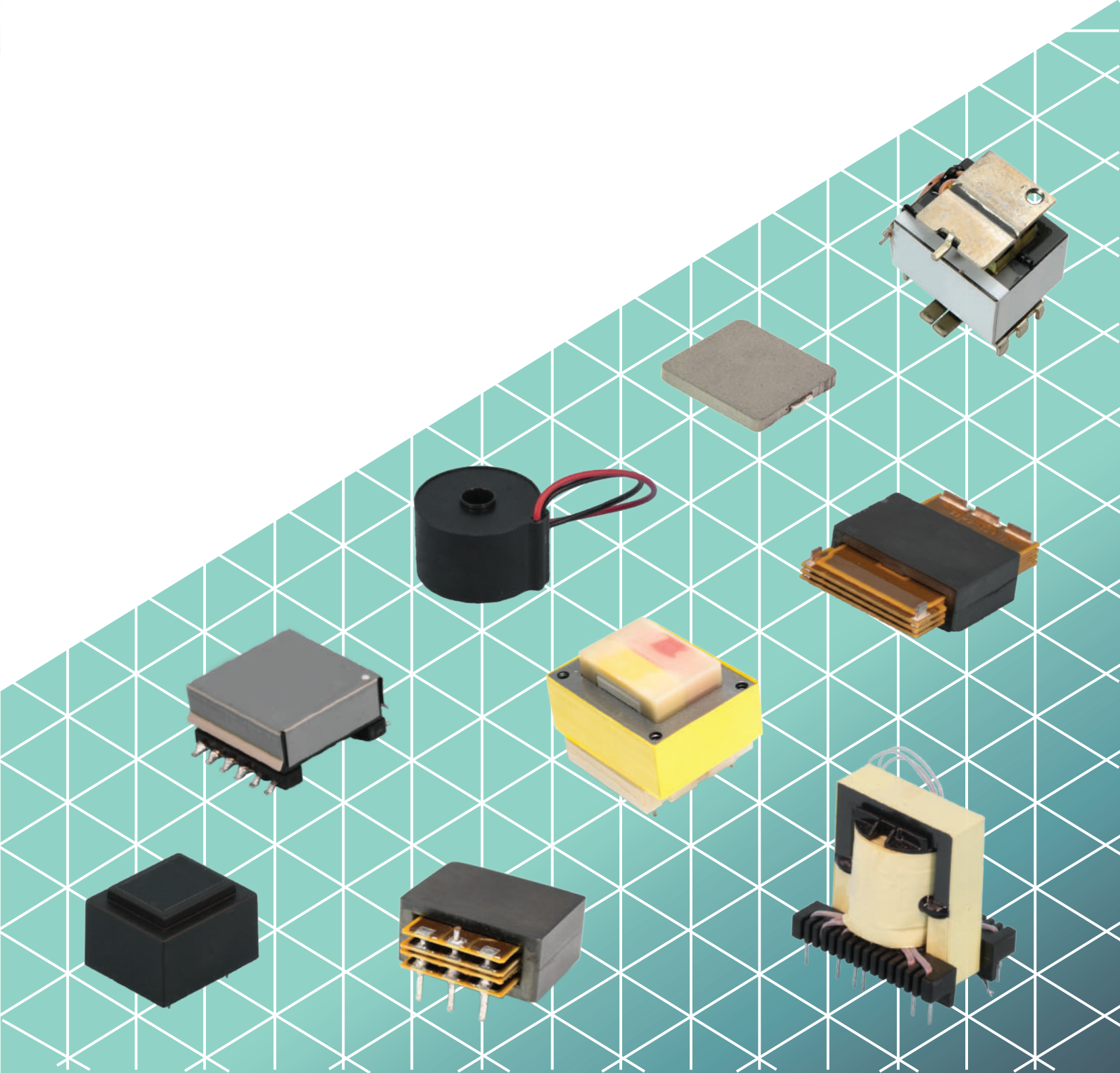
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MAGNETIC PRODUCTS

PalPilot offers a wide portfolio of magnetic products and technologies for various applications, including automotive, power electronics, industrial, consumer, networking, and medical.



Custom Engineered Solutions

PalPilot’s Magnetics Division provides innovative magnetics manufacturing with the ability to quickly ramp to high volume and high quality production. We have become a world class trusted partner in the Power Magnetics Industry. Our mission is to assist each of our customers in developing customized products through advanced technical solutions.

Magnetics Overview

Features

- Low Profile
- High Efficiency
- High Power Density
- High Current
- Low DCR
- Low AC Losses
- Low EMI Emissions
- Low Leakage Inductance
- Magnetically Shielded

Applications

- DC/DC & AC/DC Converter
- Consumer/Industrial
- SMPS Power Supplies
- Signal/Noise Filtering
- Energy Storage
- Computers/Tablets
- Medical Equipment
- Household Appliances
- Automotive & Intelligent Vehicle

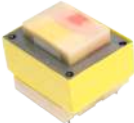
Value & Compliance

- Custom Designs
- Application Support
- Quality Management System
- Agency Compliance
- IATF16949:2016
- ISO9001
- ISO14000
- RoHS Compliant
- Follow ANSI Standards



Transformer Solutions

Lamination Transformers



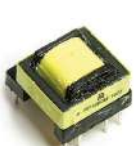
EI LAMINATION			TOROID	
Output Power (VA)	Type	Size L x W x H (mm)	Power (W)	Toroid Size (OD x H)
0.5 – 1.2 VA	EI – 28	28 x 27 x 35	50 W	90mm x 46mm
20 – 50 VA	EI – 57	57 x 50 x 65	200 W	128mm x 60mm
100 – 150 VA	EI – 86	86 x 72 x 88	300 W	140mm x 68mm
400 – 600 VA	EI – 133	133 x 112 x 140	500 W	153mm x 75mm
-- VISIT WWW.PALPILOT.COM FOR FULL DATASHEET OF COMPLETE SERIES AND SPECIFICATIONS --				

Flyback Transformers



Part Number	Size LxWxH (mm)	Turns Ratio	OCL	Input Voltage	Isolation	Power
PD0292W	14.6 x 11.8 x 10.5	5:2	40 uH	36V – 72V	1,500 Vrms	10 W
PD1753W	14.6 x 11.8 x 10.5	1:1	40 uH	36V – 72V	1,500 Vrms	10 W
PD0973W	18.0 x 13.5 x 12.7	1:1	40 uH	36V – 57V	1,500 Vrms	15W
PDO136V	16.9 x 14.5 x 13.0	5:2	40 uH	36V – 72V	1,500 Vrms	15W
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Switching Transformers

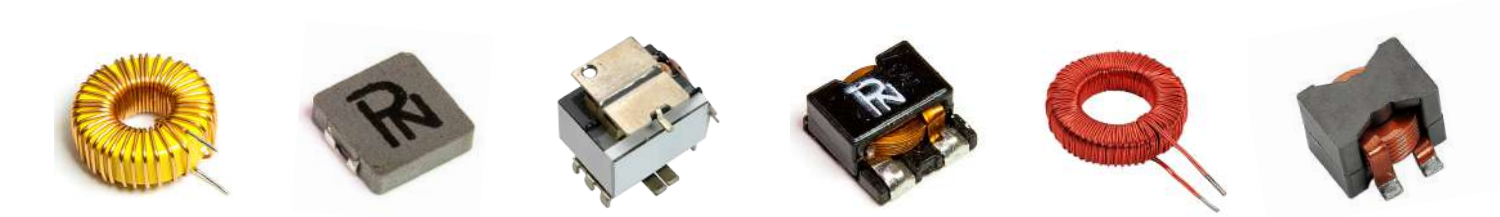


Part Number	Size LxWxH (mm)	Turns Ratio	OCL	Leakage L	Isolation
PP0972Q	14.5 x 14.6 x 20.0	88:7:3:1	1.24 mH	60 uH	3,000 Vrms
PP1264Q	21.0 x 21.0 x 12.3	8.07:1:1.6	1.524 mH	45.7 uH	3,000 Vrms
PD1067W	29.5 x 22.0 x 10.6	44:20:9:20	100 uH	2.05 uH	1,500 Vrms
PP2006Q	18.0 x 20.0 x 17.5	153:11:7:7:14	1.91 mH	100uH	3,000 Vrms
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Planar Transformers



Part Number	Power	Converter Topology	Frequency	Dimensions	Isolation
PER14 20W	20W	Forward Flyback	300 – 500KHz	15.0 x 14.6 x 6.0mm	1.5KVDC
PEI18 100W	100W	Half Bridge Forward Flyback	200 – 500KHz	20.4 x 18.8 x 8.0mm	1.5KVDC
PPQ35 600W	600W	Half Bridge Full Bridge ZVS Push-Pull	200 – 400KHz	34.6 x 41.5 x 17.6mm	3.0KVDC
PEE64 5,000W	5,000W	Half Bridge Full Bridge ZVS Push-Pull	80 – 200KHz	87.9 x 64.0 x 20.8mm	3.5KVDC
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Inductor Solutions

SMD Unshielded Inductors



Inductor Series	Size L x W x H (mm)	L uH Range	I Rated Range (A MAX)
PLQH1210 Series	3.50 x 2.70 x 2.20	2.2 - 560 uH	0.06 - 0.60 A
PDG1608 Series	6.60 x 4.45 x 2.92	1 - 1000 uH	0.07 - 2.90 A
PDI75 Series	8.00 x 7.30 x 5.50	10 - 470 uH	0.34 - 2.30 A
PDG5022 Series	18.54 x 15.24 x 7.11	1 - 1000 uH	0.56 - 8.60 A
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SMD Shielded Inductors



Inductor Series	Size L x W x H (mm)	L uH Range	I Rated Range (A MAX)
PDRH127 Series	12.50 x 12.50 X 8.0	1.2 - 1000 uH	0.55 - 9.80 A
PDRH74 Series	7.50 x 7.50 x 4.5	0.33 - 1000 uH	0.18 - 8.50 A
PDRH104R Series	10.30 x 10.40 x 4.0	1.5 - 330 uH	0.70 - 10.00 A
PDRH4040 Series	4.00 x 4.00 x 1.80	1.5 - 33 uH	0.32 - 1.55 A
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Composite Formed Inductors



Inductor Series	Size L x W x H (mm)	L uH Range	I Rated Range (A MAX)
PDM0412 Series	4.06 x 4.60 x 1.20	5.5 - 430 uH	1.4 - 22 A
PDM0630 series	6.60 x 7.50 x 3.00	0.22 - 22 uH	2.9 - 38 A
PDM1050 Series	10.0 x 11.50 x 5:00	0.8 - 15uH	5 - 20 A
PDM-1270 Series	12.60 x 13.80 x 7.00	0.4 - 68 uH	4.5 - 60 A
PDM-1280 Series	12.60 x 13.80 x 8.00	3.6 uH	20 A
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SMD High Current Inductors



Inductor Series	Size L x W x H (mm)	L uH Range	I Rated Range (A MAX)
PDE1005 Series	10.00 x 10.00 x 5.60	0.36 - 8.8 uH	4.9 - 19 A
PED1205 Series	12.50 x 12.50 x 4.00/5.00	0.33 - 5.5 uH	8.2 - 25 A
PDE1206 Series	12.50 x 12.50 x 6.00	0.33 - 5.5 uH	7.50 - 25.00 A
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