



# MAGNETICS CATALOGUE

## COMPANY PROFILE

Ole Wolff was founded in 1983 in Denmark where it is still headquartered today. We have sales offices in eight locations worldwide, three R&D and application support centres and with ISO9001 and ISO14001 approved manufacturing facilities in Asia.

Ole Wolff is composed of two product divisions: acoustics and magnetics components.

## WHAT WE OFFER

Our magnetic product portfolio includes power inductors, transformers, chokes, line filters etc. serving a broad range of market segments from consumer to industrial electronics. We provide:

- rapid turnaround on custom samples.
- flexibility to meet your specific demands.
- a high level of expertise in providing customized solutions to meet your requirements.
- excellent local and global support from design through production.

## OUR FOCUS

### Technology

Our R&D team possesses a high level of expertise in the development and production of customized solutions based on our customers specific requirements.

### Quality

By controlling the entire QA process along with product development and manufacturing Ole Wolff ensures that your product will meet all the required environmental, reliability and life-cycle tests, as well as meeting the highest possible manufacturing quality and consistency.

### Communication

Good project management is at the heart of every successful project and key to this is good communication. Ole Wolff takes a proactive role to manage and track your project from start to finish in order to deliver the product at the right time, cost and quality.

### Cost

In order to be cost competitive Ole Wolff operates a unique lean model where we have minimized any unnecessary costs.

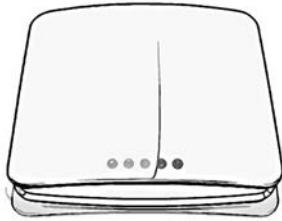
We focus our resources where they are needed and where they can add the most value.



# END PRODUCT APPLICATIONS

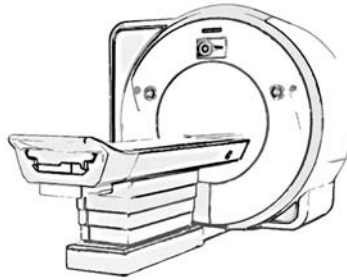
## BROADBAND GATEWAYS

Power Inductors  
CMC  
Transformers



## MEDICAL DEVICES

Inductors  
CMC  
Transformers  
Line Filters



## SMARTPHONES

HAC Coils  
Inductors



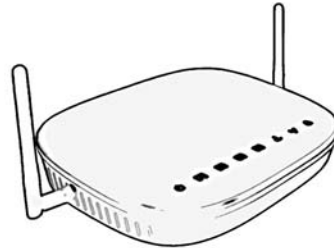
## HOME APPLIANCES

Power Inductors  
CMC  
Transformers



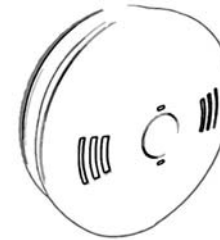
## MOBILE HOTSPOTS

Inductors



## SMOKE DETECTORS

Inductors  
Transformers



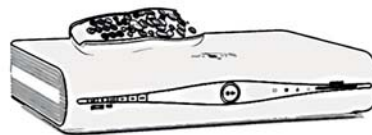
## SMART METERS

Power Inductors  
CMC  
Transformers



## MEDIA SET-TOP BOXES

Inductors  
Line Filters  
CMC  
Transformers

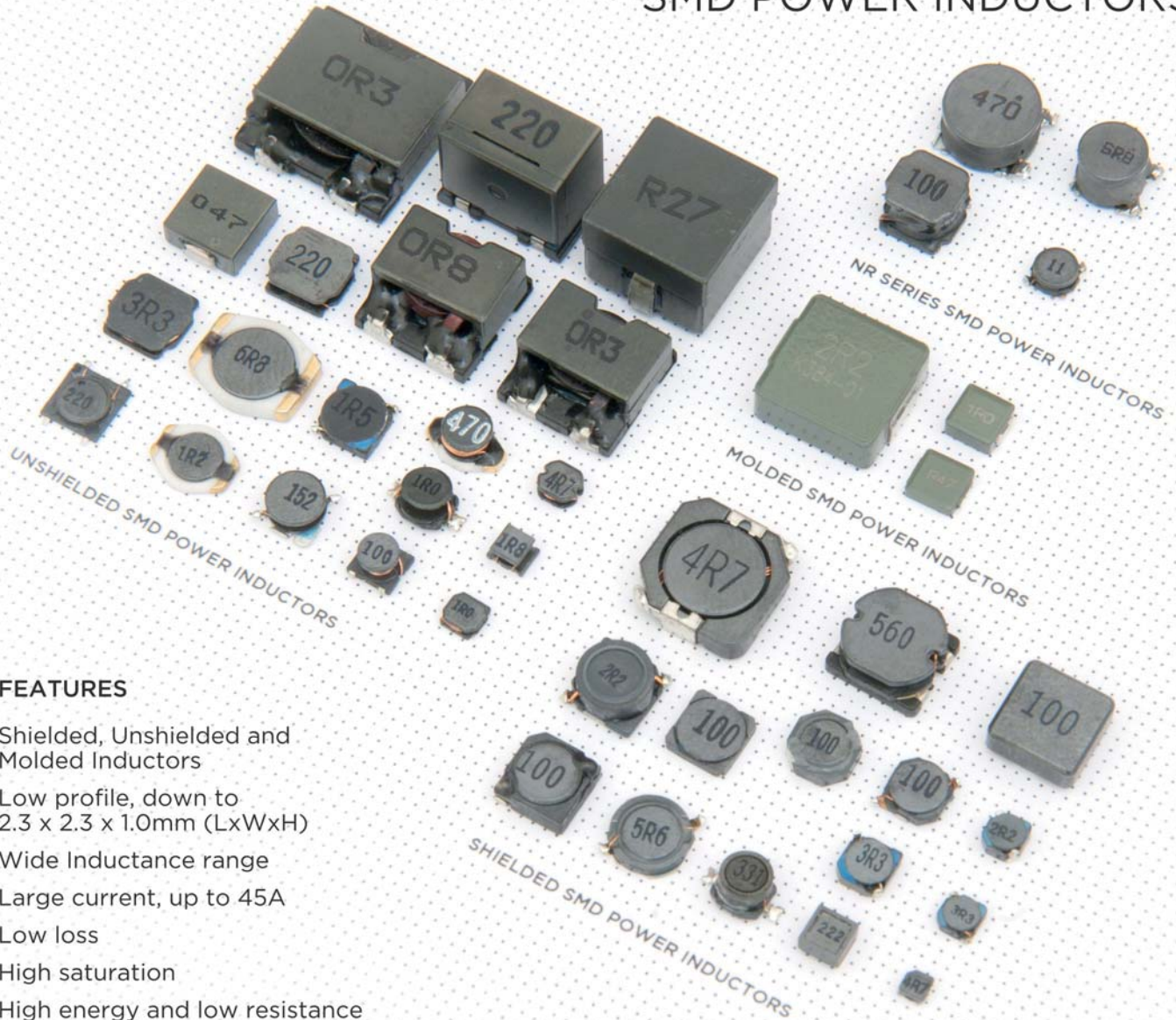


## PRINTERS

Inductors  
Line Filters  
CMC  
Transformers



# SMD POWER INDUCTORS



## FEATURES

Shielded, Unshielded and Molded Inductors

Low profile, down to 2.3 x 2.3 x 1.0mm (LxWxH)

Wide Inductance range

Large current, up to 45A

Low loss

High saturation

High energy and low resistance

Used in consumer electronic products such as television sets, satellite receivers, mobile telephones, notebook computers, etc

# POWER CHOKES AND INDUCTORS

## TOROIDAL FILTER FEATURES

Core: Toroid

Pin type: TH Type

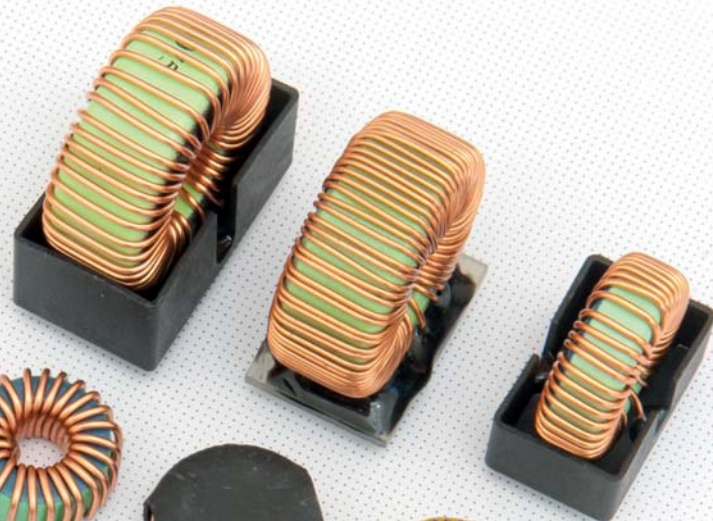
Size: from T10 to T130

Wide Inductance range

High rated current

Low DC resistance

Used for EMI/RF suppression, SCR and triac controls, power supplies and power factor correction, etc



TOROIDAL FILTERS



## RADIAL INDUCTOR FEATURES

Core: DR

Pin type: TH Type

Min size, down to 4mm

Low loss

High reliability

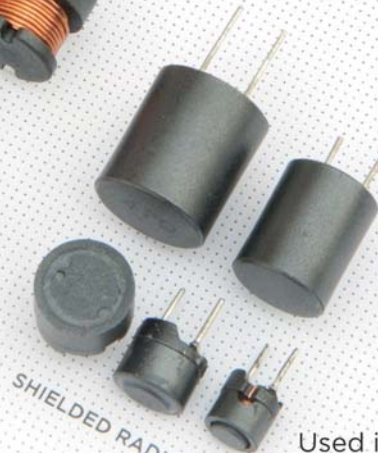
Wide inductance range  
1.0 $\mu$ H to 47mH

High rated current, up to 15A

Used in consumer electronic products  
such as television sets, computers,  
electronic games consoles, etc

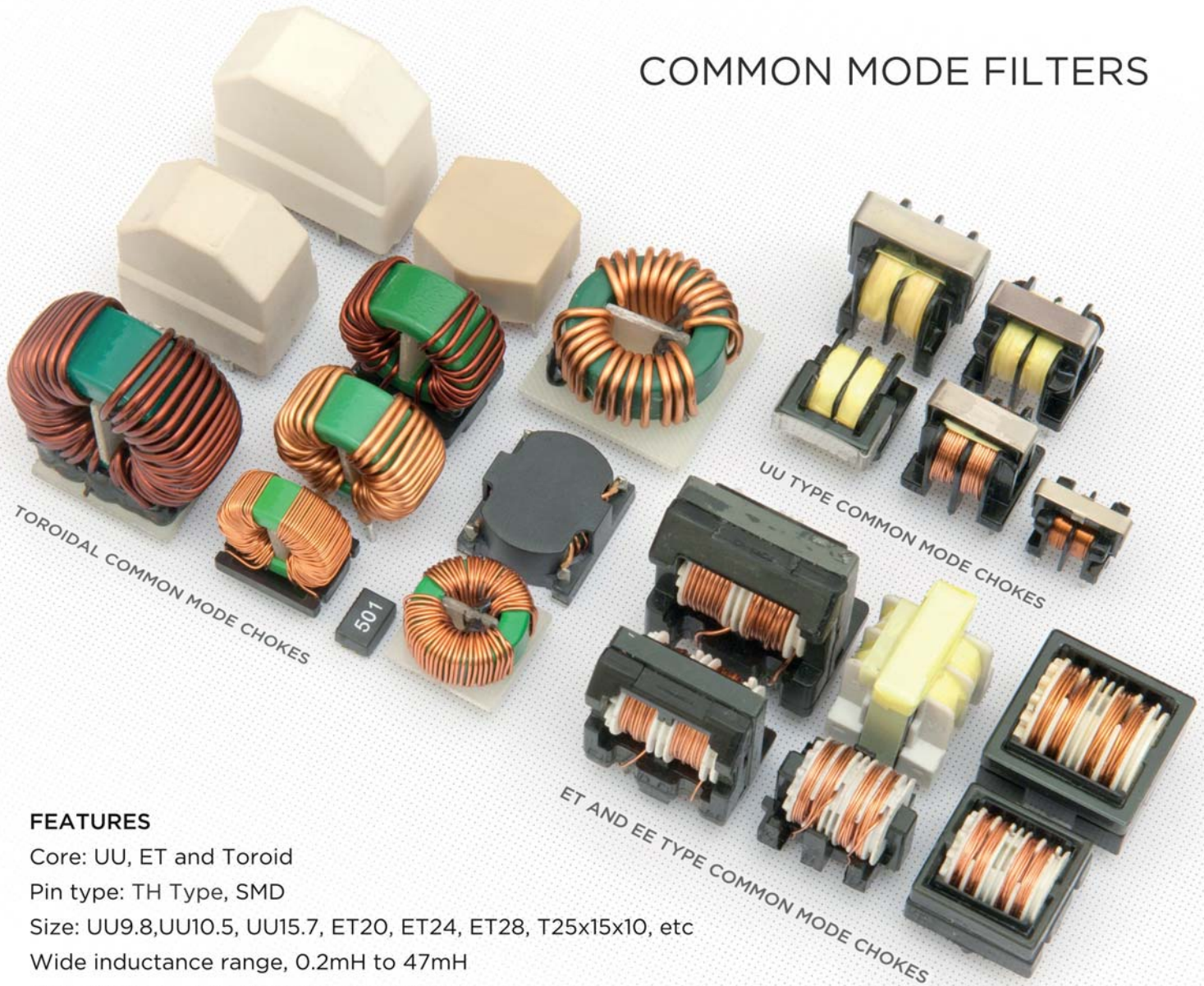


UNSHIELDED RADIAL INDUCTORS



SHIELDED RADIAL INDUCTORS

# COMMON MODE FILTERS



TOROIDAL COMMON MODE CHOKES

UU TYPE COMMON MODE CHOKES

ET AND EE TYPE COMMON MODE CHOKES

## FEATURES

Core: UU, ET and Toroid

Pin type: TH Type, SMD

Size: UU9.8,UU10.5, UU15.7, ET20, ET24, ET28, T25x15x10, etc

Wide inductance range, 0.2mH to 47mH

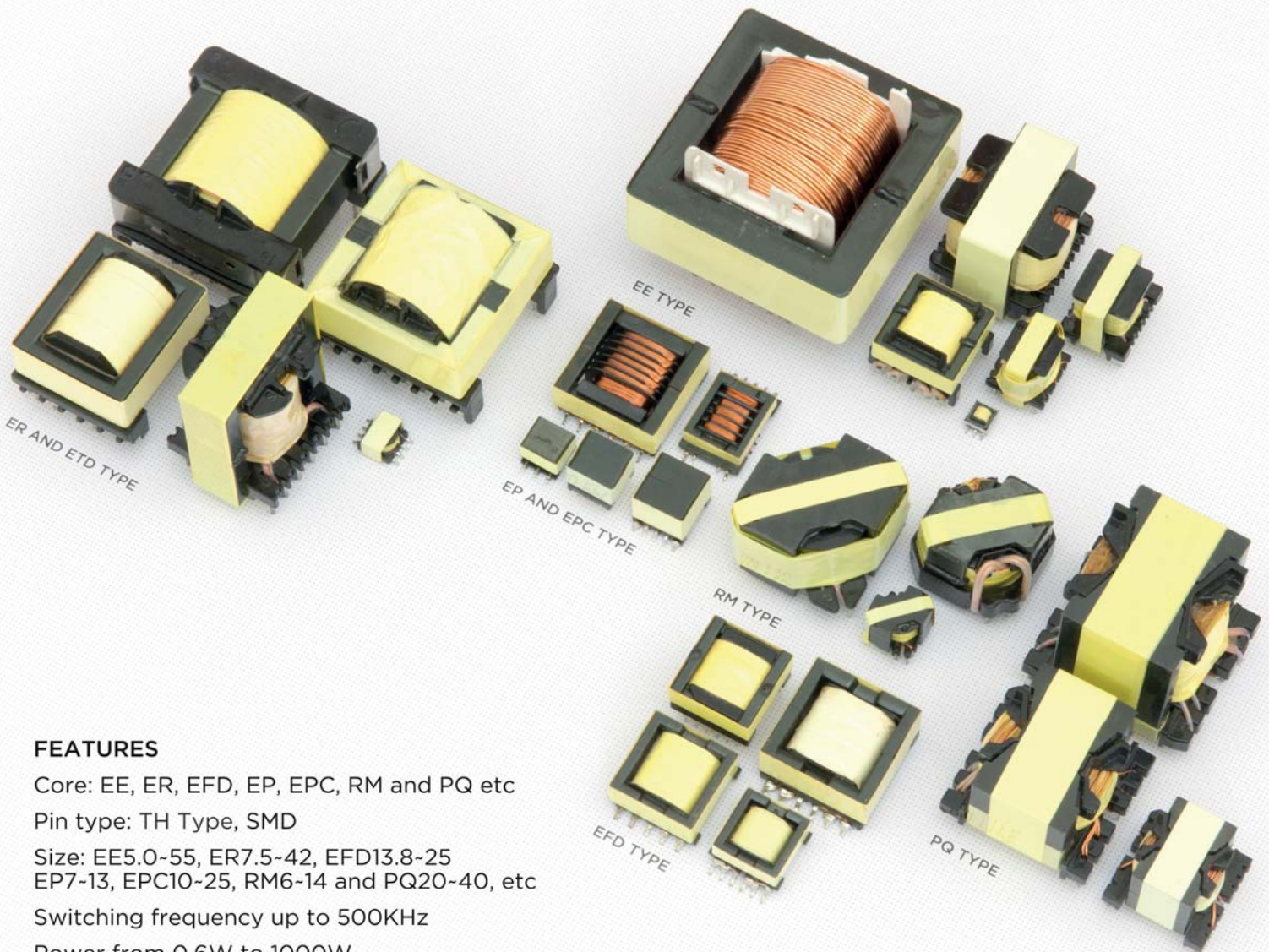
Rated voltage, 100-270VAC, 50Hz-60Hz

Insulation resistance: 100M ohms min, @500VDC

High stability inductance

Used in AC-DC power converters and EMI/RF suppression, etc

# HIGH FREQUENCY TRANSFORMERS



## FEATURES

Core: EE, ER, EFD, EP, EPC, RM and PQ etc

Pin type: TH Type, SMD

Size: EE5.0-55, ER7.5-42, EFD13.8-25  
EP7-13, EPC10-25, RM6-14 and PQ20-40, etc

Switching frequency up to 500KHz

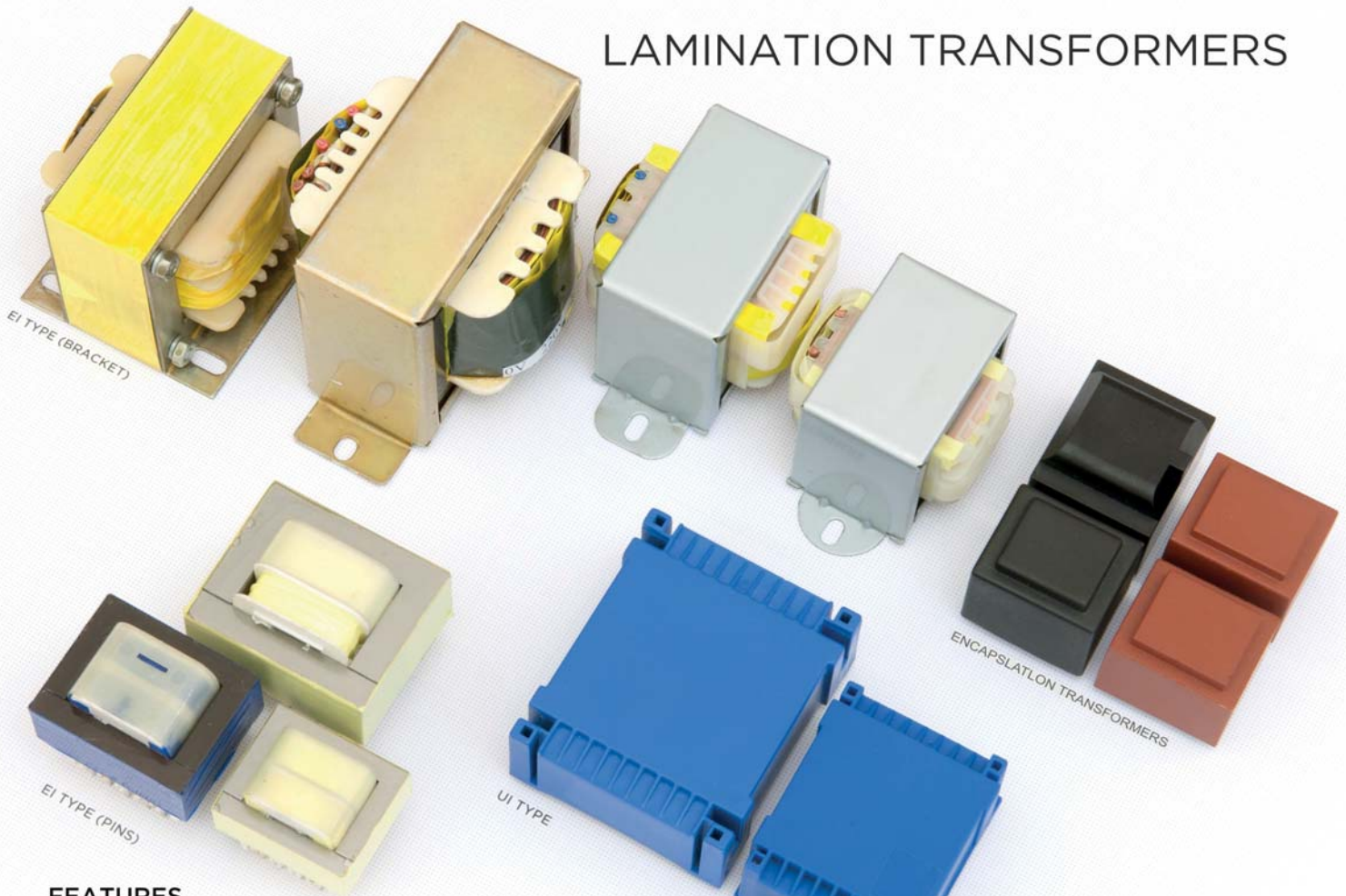
Power from 0.6W to 1000W

Low loss

Low temperature rise. Meets class B insulation grade

Used in power switches, AC/DC to DC converters, computers, television sets, etc

# LAMINATION TRANSFORMERS



## FEATURES

Size: EI28, EI35, EI41, EI48, EI54, EI60, EI66, EI76.2, EI95, EI114, EE20, UI30, UI39

Rated voltage: 120V/60Hz, 230V/50Hz

Power from 0.15W ~ 300W

Mounting type: bracket, TH Type

Meet requirements of UL1585/ UL1310/EN61558/EN60065

Low loss, high efficiency

Used in telephone exchangers, home appliances, 50Hz-60Hz power converters, etc.



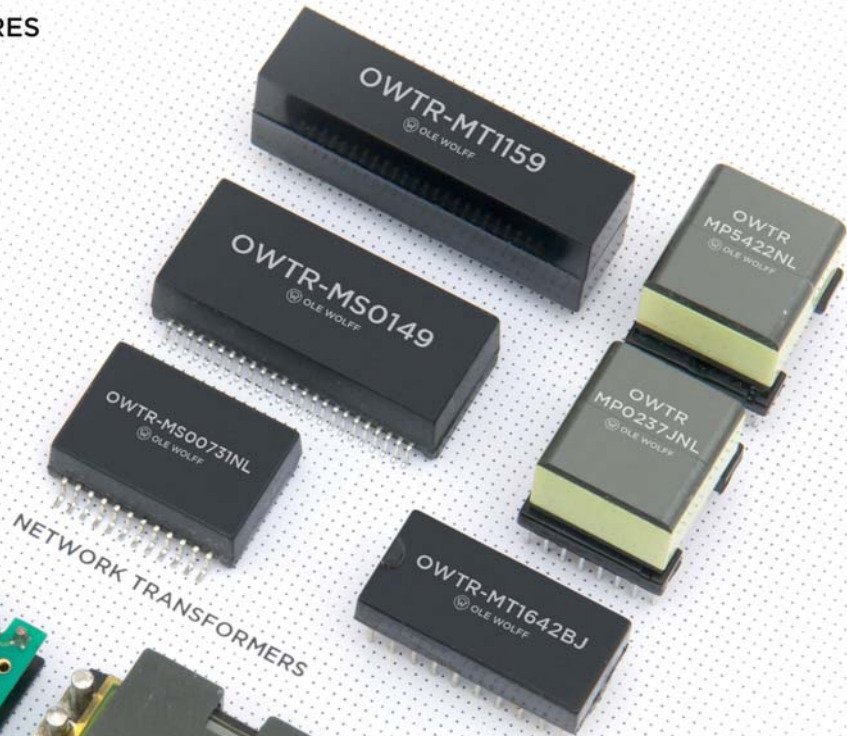
**OLE WOLFF**



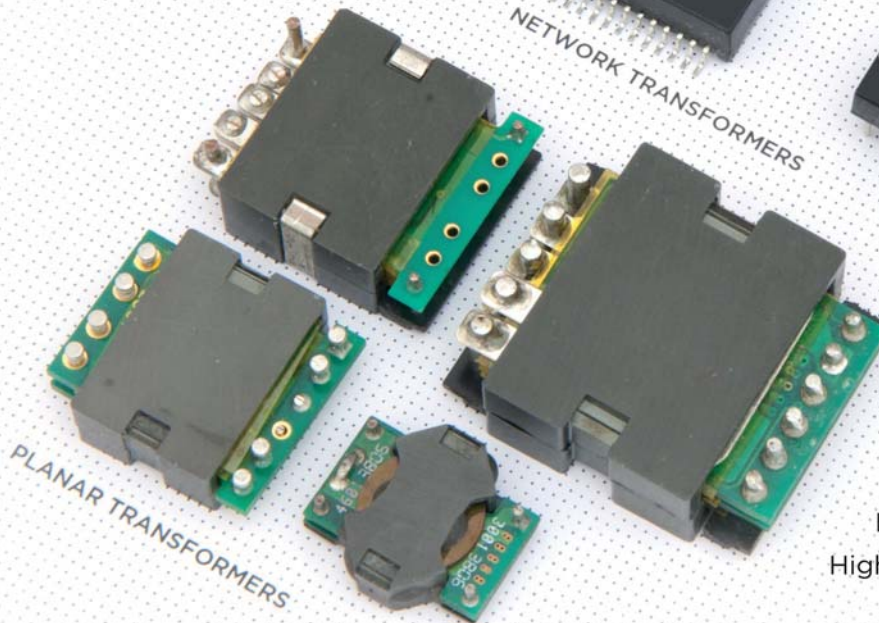
# NETWORK AND PLANAR TRANSFORMERS

## NETWORK TRANSFORMER FEATURES

- Meets IEEE 802.3 specification
- Type: 10/100, 1000, 10G Base-T
- Low insertion loss, high return loss
- Standard and extended operating temperatures
- Used in network equipment



NETWORK TRANSFORMERS



PLANAR TRANSFORMERS

## PLANAR TRANSFORMER FEATURES

- High thermal efficiency & energy storage
- High current rating up to 50 Amps
- Operation frequency between 200KHz to 700KHz
- Power from 15W ~ 300W
- Operating temperature from -40°C to +130°C
- Used in switch mode power supplies, industrial power systems, etc.

# GLOBAL PRESENCE

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