

# TRANSFORMERS & INDUCTORS

Speciality Passives

PCB Transformers

High Frequency Transformers

Electronic Transformers

Toroidal Transformers

Common Mode Chokes

Common Mode Chokes Nanocrystalline Toroidal

Nanocrystalline Current Sense Transformers



**wts** // electronic  
components  
GmbH

Wir bieten Lösungen



# TRANSFORMERS & INDUCTORS

Era is back!

## Encapsulated 50/60Hz Transformers

- Mini-Line: EE20
- Print-Line: EI30, EI38, EI42, EI48, EI54, EI66
- Low Profile: UI30, UI39
- Mounting Brackets-Line: EI42 – EI66
- Customer Specialities
- Full range of application: UL, VDE, CE, ENEC, EN 61558

## Transformers with Terminals

## Toroidal Transformers

era

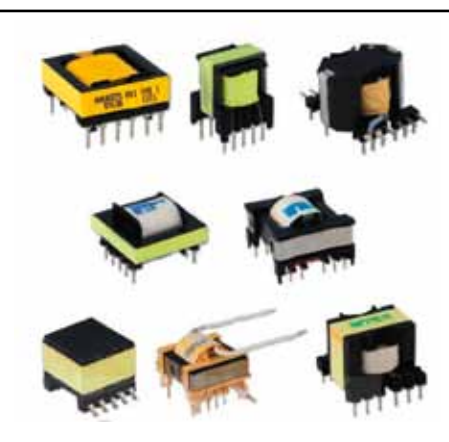


## Producer, designer and developer of electronic applications

Tech Power Electronics can help you for your high frequency power conversion transformer design. To reduce price, development and prototype lead-times, we have set up standard platforms for different applications and technologies. For these optimized platforms, we hold all the raw material components on stock to reduce prototyping lead-time.

## High Frequency Transformers

- Standard Platforms
- Various Applications
- Various Typologies



## Switchy – Electronic Transformer for Clever Applications

### ▪ Switchy 2W, 4W, 5W, 10W, 15W transformer

### ▪ Switchy 10W, 15W dual output

- AC/DC power module for PCB mounting
- Universal input 85 ~ 265Vac, 47 ~ 440Hz or 120 ~ 370Vdc
- High efficiency, low ripple and noise
- Standby power consumption < 230mW compliant IEC 62301
- Protection for short circuit, overload and over temperature
- EMC and safety standards: EN 61000, EN 60950 and multi-certificates
- 4kVac input/output dielectric
- Mean time to failure: 300.000 hours at 25 °C



## Tech Power – Common Mode Chokes

Tech Power Electronics develops high efficiency toroidal common mode chokes. Compact design with high saturation level allow high noise attenuation performance.

- RoHS
- Complies with EN138100, EN60938-2 (VDE565.2)
- Material meets UL-94V0 requirements
- Rated voltage 250Vac
- Withstanding voltage 1500Vac
- Vertical case, horizontal case

## NEW!

## Common Mode Chokes Nanocrystalline Toroidal Series

Tech Power Electronics develops new standard series of common mode chokes based on nanocrystalline toroidal cores. Cost attractive solution regarding size and performances.

- Lighter – smaller
- High rated current and high inductance values with a compact design
- Better frequency response due to a low number of turns
- Extended operating temperature range up to 150°C
- Inductance does not vary depending on temperature variation
- Rated voltage: 250Vac; withstanding voltage: 1500Vac
- Complies with IEC60938 (VDE565-2-1)
- Plastic materials UL V-0 requirements, RoHS



# TRANSFORMERS & INDUCTORS

## Inductors

### Automotive Grade Metal Composite Shielded Power Inductors

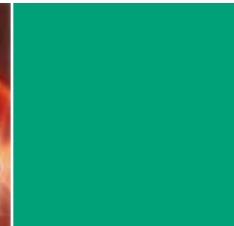
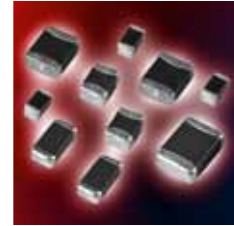
NPIM\_A Series

AEC-Q200 qualified NPIM\_A expand from our standard NPIM\_P, NPIM\_C, and NPIM\_B series with increased reliability testing to meet automotive requirements along with an operating temperature range up to 150°C. Case sizes range from 5.5 mm × 5.0 mm to 11.0 mm × 10.0 mm (L×W) with component heights of 3.0 mm to 6.0 mm. Inductance values range from 0.68uH ~ 47uH in ±20% (M) inductance tolerance.

### Ultra-Small Automatic Process Power Inductors

NPIS\_LS Series

NIC Components is pleased to announce the expansion of the NPIS\_LS series of shielded surface mount power inductors to additional sizes to a total of 15 different footprint and height options, and 8 sizes in NPIS\_LP. NPIS\_LS now available in 15 case sizes ranging from 2.5 mm × 2.0 mm to 8.0 mm × 8.0 mm with component heights of 1.0 mm to 4.5 mm. Inductance values range from 0.68 uH ~ 330 uH in ±20% (M) and ±30% (Y) inductance tolerance.



## Magnetic Components

- Power Inductors
- Chip Inductors
- EMI Suppression

## RF Components

- LTCC Chip Antennas
- LTCC Filter & Diplexers
- LTCC Chip Baluns



## Contact

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