

Inductors and Transformers For SMPS Magnetic Requirements



Transformers and Inductors (Linear Version)

TALEMA PROFILE

Founded in 1975, The TALEMA International Group has established itself as a world leader in the Design & Manufacture of toroidal transformers and related magnetic components. Our strong technical engineering expertise has contributed to the growth of our current workforce to over 800 employees in manufacturing locations in the Czech Republic and India.

Over the years The Talema Group has succeeded in designing, producing and delivering in excess of 50 million transformers to its customers. The recent incorporation of xDSL technology into our extensive range of Telecom and LAN magnetics offerings, such as ISDN, Ethernet transformers for 10/100/1000Base-T, has broadened our market offering to an even higher level.

QUALITY

The TALEMA Group has a total commitment to quality and employs Lean Six Sigma training for engineering, production and administrative staff to help achieve a goal of zero defects. All facilities maintain very stringent Quality Control and Quality Assurance procedures and are certified to and manufacture in accordance with ISO 9001:2015 (India) and ISO 9001:2016 (Czech Republic) and meet a broad range of International Standards including UL, VDE, IEC and EN.

ENVIRONMENT

All TALEMA International Group manufacturing facilities are RoHS & REACH Compliant and all chokes, inductors and HF Components are produced in an Environment Management System (EMS) facility certified to ISO 14001:2015 (India) and ISO 14001:2016 (Czech Republic).



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Visit our website for detailed electrical and mechanical specifications for Talema's extensive line of magnetic components for Power Applications, Toroidal Transformers, Telecom & LAN Applications:

www.talema.com

Transformers and Inductors (Linear Version)

A complete range of transformers and Inductors for SMPS applications is available from Talema, produced to Customer's Specifications:

- Drive Transformers
- Control Transformers
- Flyback Transformers
- High Current Inductors
- Current Transformers
- Common Mode Chokes
- Output Transformers
- Custom Assemblies

Range of Transformers for above specification

- LLC Transformers
- PFC Transformers
- PFC Inductor
- Gateway Transformers
- DC-DC Converter
- Pulse Transformers
- Bias Transformers
- Power Transformers
- Resonant Inductors

The Talema design team, consisting of engineering and procurement specialists, can help with:

- Sourcing cost-effective alternative materials
- Requirements for safety standards (eg. EN60065, EN60950 & IEC 60664-1)
- Design Assistance
- Manufactured in ISO 9001:2015 and ISO 14001:2015 certified Talema facility
- Fully RoHS & REACH Compliant and meet Lead Free reflow level J-STD-020F for SMD Products
- Temperature Class: B, E, F & H



A wide variation of high frequency winding techniques and construction are employed:

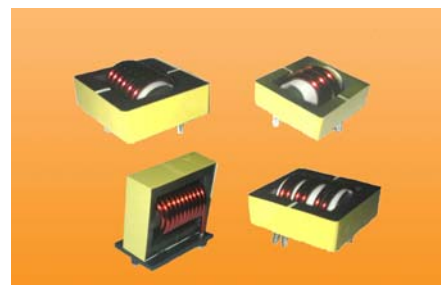
- Multi-strand copper
- Cu Foil
- Litz
- Heavy Duty Copper (Round / Flat / Rectangular)
- Multi-Insulated Wire
- Creepage Tapes / Safety tapes

High capacity in-house production capabilities permit Talema to meet volume requirements for highly competitive ferrite transformers. Based on the most popular shape and size of product types and various footprints used by equipment manufacturers (RM, EE/EF, EFD/EVD, EI, EP, ER, ETD, P, PT, PTS, PQ and U cores). Talema offers quick turn around on quotation and sample requests, saving time and expense.

HB & HC Series

Common Features

- Type: Vertical / Horizontal
- Mounting: THT
- Class F materials



HB Series

- High efficiency, high stability inductors
- Robust Construction

Application

- Renewable energy
- Battery charger
- Automotive

HC Series

- High Current Inductors
- Class F materials

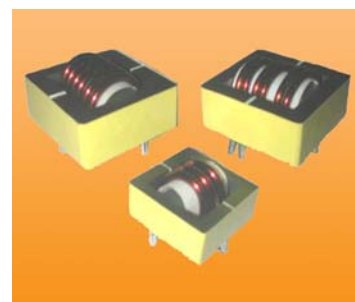
Application

- Renewable energy
- Battery charger
- Industrial Converters

HB Series



HC Series



Transformers and Inductors (Linear Version)

RM Magnetics

Type: Vertical

Mounting: THT and SMD

Range: RM4 - RM14



EE / EF Magnetics

Type: Vertical & Horizontal

Mounting: THT and SMD

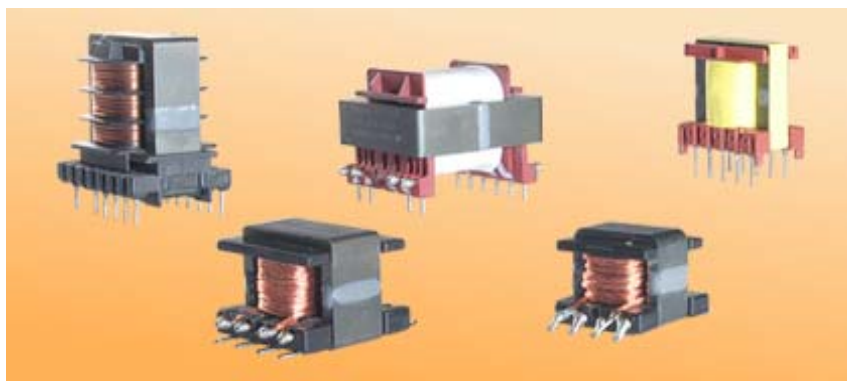
Range: EE5 - EE80

Sections: Single, Double and Multi-chamber

Terminals:

THT - Available in "L" or Straight Pin versions.

SMD - Available in "L", "J", "U/C" or GW versions.



EFD / EVD Magnetics

Type: Horizontal

Mounting: THT and SMD

Range: EFD10 - EFD30

Range: EVD15 - EVD30

Sections: Single, Double and Multi-chamber



EI Magnetics

Type: Vertical & Horizontal

Mounting: THT

Range: EI16 - EI40



Transformers and Inductors (Linear Version)

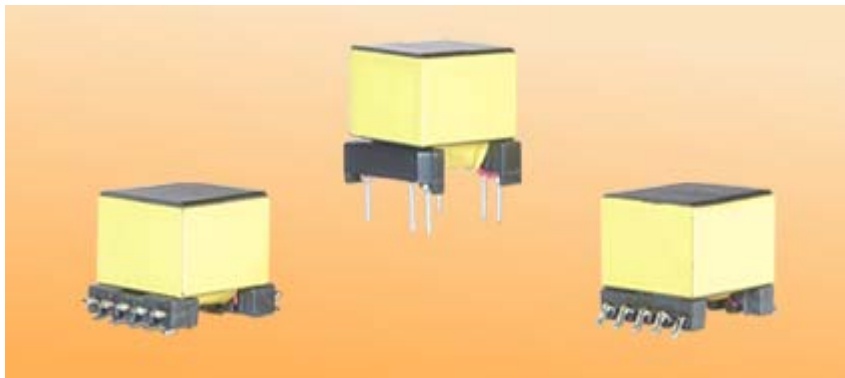
EP Magnetics

Type: Horizontal

Mounting: THT and SMD

Range: EP5 - EP20

Sections: Single and Double

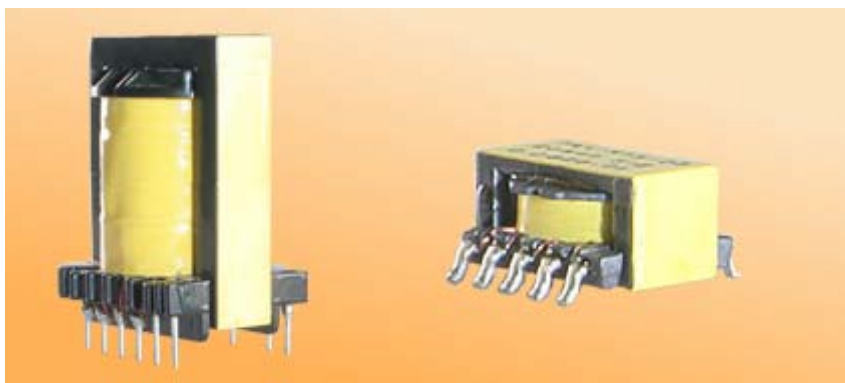


ER Magnetics

Type: Vertical & Horizontal

Mounting: THT and SMD (ER9.5 & ER11)

Range: ER9.5 - ER54



ETD Magnetics

Type: Vertical & Horizontal

Mounting: THT

Range: ETD29 - ETD59

Terminals:

THT - Available in "L" or Straight Pin versions.

SMD - Available in "L", "J", "U/C" or GW versions.



P Magnetics

Type: Vertical

Mounting: THT

Range: P9 - P66



Transformers and Inductors (Linear Version)

PT Magnetics

Type: Vertical

Mounting: THT

Range: PT14 - PT23



PTS Magnetics

Type: Vertical

Mounting: THT

Range: PTS14 - PTS40

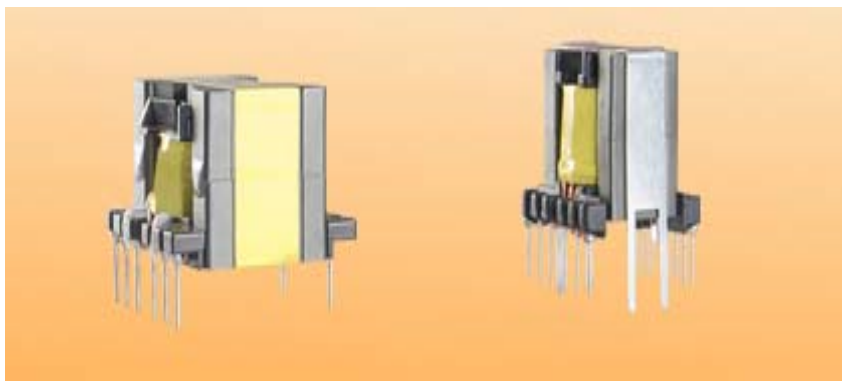


PQ Magnetics

Type: Vertical

Mounting: THT

Range: PQ20 - PQ50



U Magnetics

Type: Horizontal

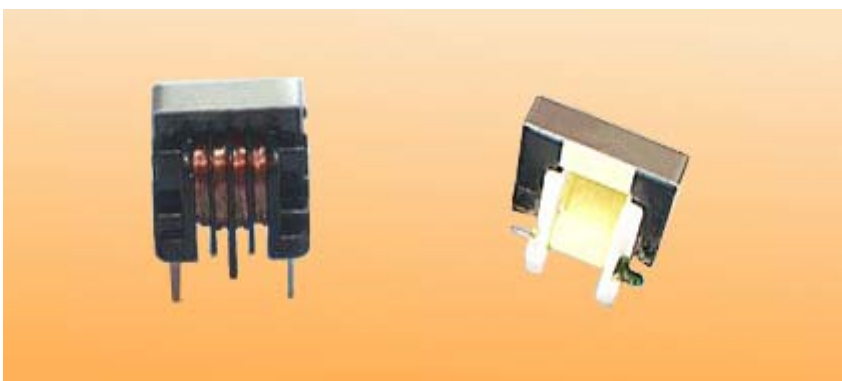
Mounting: THT

Range: U10 - U30

Terminals:

THT - Available in "L", "J" or Straight Pin versions.

SMD - Available in "L", "J", "U/C" or GW versions.



Regional Locations - Design, Manufacturing, Sales & Marketing

Talema Group Regional Offices

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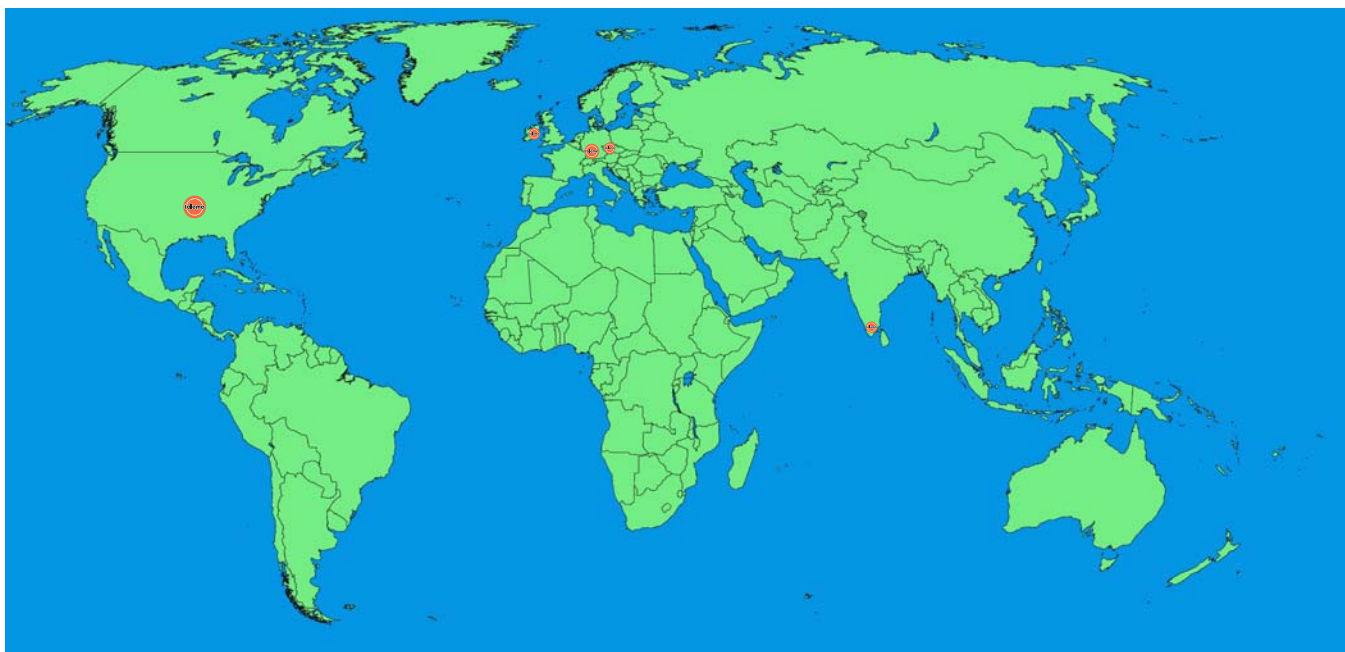
Ireland (Design, Sales & Marketing)

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Locations of Talema Group Regional Offices



Summary

SECTION 1

- TOROIDAL 50/60Hz TRANSFORMERS, TOROIDAL PCB TRANSFORMERS & MEDICAL GRADE ISOLATION TRANSFORMERS

SECTION 2

- CURRENT SENSE TRANSFORMERS & INDUCTORS

SECTION 3

- CHOKES, INDUCTORS AND TRANSFORMERS FOR POWER APPLICATIONS

SECTION 4

- Transformers & Inductors FOR SMPS MAGNETICS REQUIREMENTS

SECTION 5

- COMPONENTS FOR TELECOMMUNICATIONS AND DATA LINE TECHNOLOGY

SECTION 6

- CURRENT COMPENSATED EMI NOISE SUPPRESSION CHOKES

SECTION 7

- LAN MAGNETIC COMPONENTS FOR ETHERNET APPLICATIONS

SECTION 8

- T1/E1/CEPT-PR1 - T3/DS3/E3/STS-1 FOR TELECOMMUNICATION PRODUCTS

SECTION 9

- TRANSFORMERS FOR BROADBAND Access AND FIBRE CHANNEL INTERFACE

SECTION 10

- THE TALEMA GROUP BROCHURE

