

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).



CONTENTS

	Page Nr.
• An Introduction about complete range of transformers and Inductors for SMPS applications and HB & HC Series	- 3
• Transformers and Inductors (Linear Version) - RM, EE/EF, EFD/EVD & EI Magnetics	- 4
• Transformers and Inductors (Linear Version) - EP, ER, ETD & P Magnetics	- 5
• Transformers and Inductors (Linear Version) - PT, PTS, PQ & U Magnetics	- 6
• Regional Locations - Design, Manufacturing, Sales & Marketing	- 7
• TALEMA Product Summary (Total Program)	- 8

Visit our websites 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

www.nuvotem.com

www.ntmagnetics.cz

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 Convertor
- 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-020C for SMD Products
- Temperature Class: B, E, F & H



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

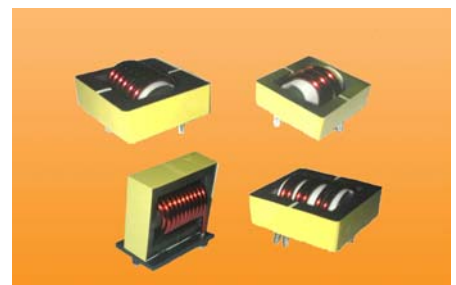
- Multi-strand copper
- Cu Foil
- Litz
- Heavy Duty Copper (Round / Flat / Rectangular)
- Multi-Insulated Wire
- Creepage Tapes / Safety tapes

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

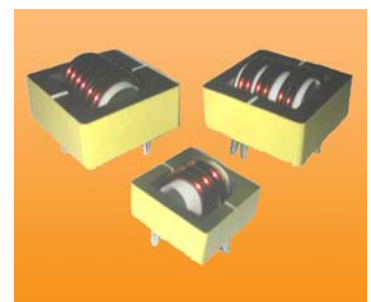
Application

- Renewable energy
- Battery charger
- Industrial Converters

HB Series



HC Series



Transformers and Inductors (Linear Version)

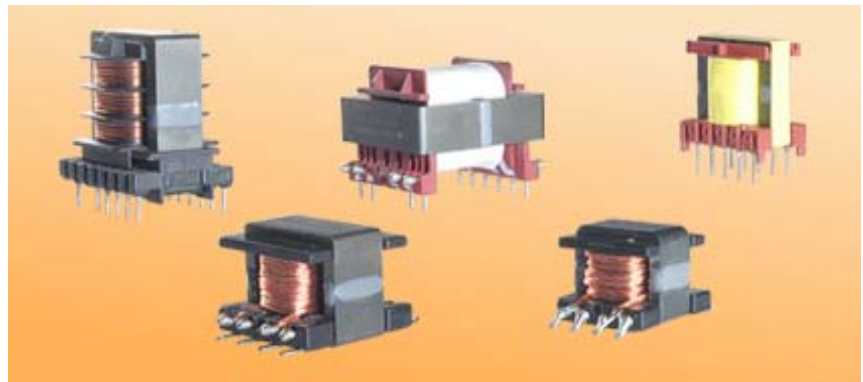
RM Magnetics

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

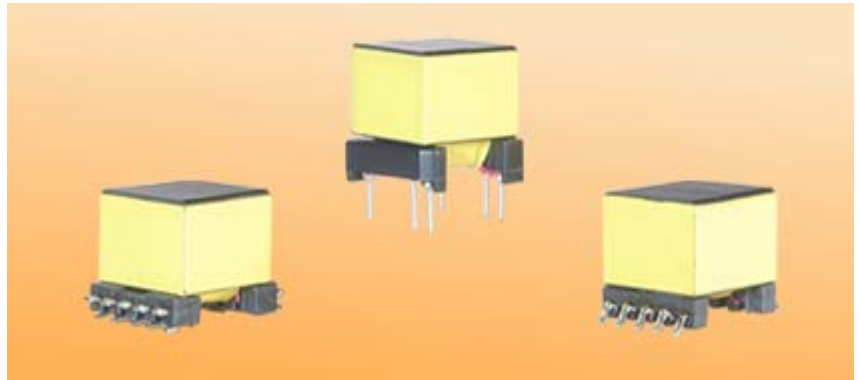
Type: Vertical & Horizontal
 Mounting: THT
 Range: EI16 - EI40



Transformers and Inductors (Linear Version)

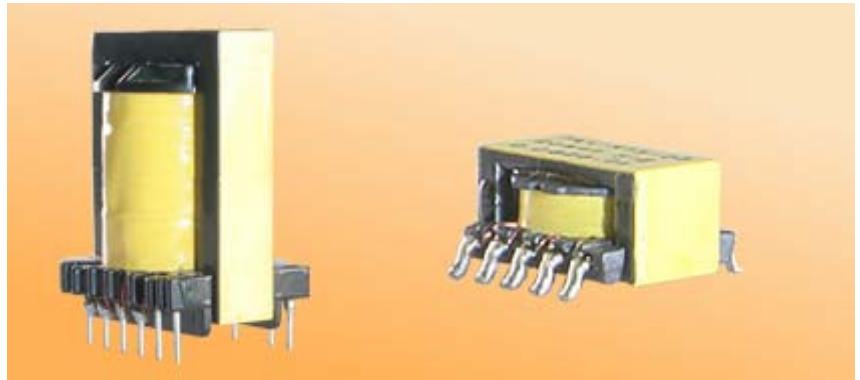
EP Magnetics

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

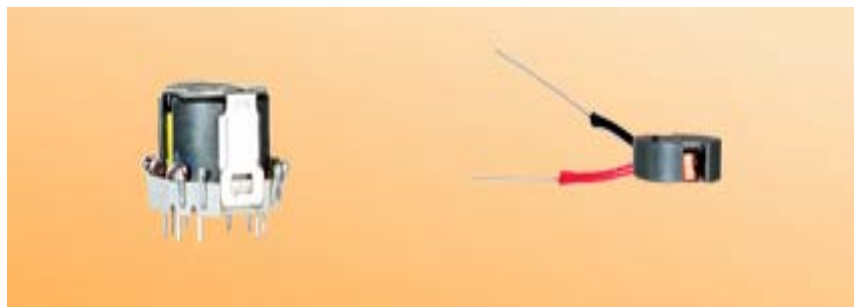
Terminals:

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



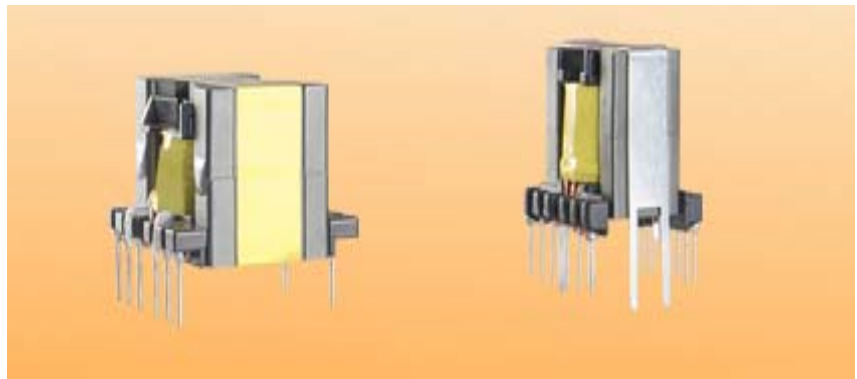
PTS Magnetics

Type: Vertical
 Mounting: THT
 Range: PTS14 - PTS40



PQ Magnetics

Type: Vertical
 Mounting: THT
 Range: PQ20 - PQ50



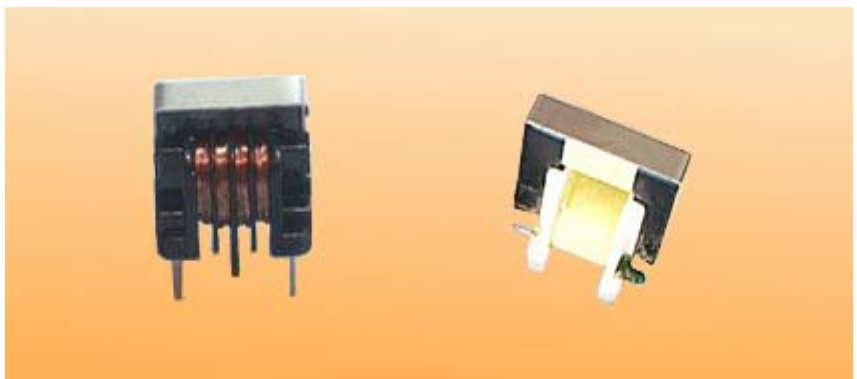
U Magnetics

Type: Horizontal
 Mounting: THT
 Range: U10 - U30

Terminals:

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

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



Regional Locations - Design, Manufacturing, Sales & Marketing

Talema Group Regional Offices

North America

United States (Sales & Marketing)

Talema Group, LLC
 PO Box 935
 900 Innovation Drive
 Suite 120, Rolla
 Missouri 65402
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Asia

India (Design, Manufacturing, Sales & Marketing)

Administrative Office
Talema Electronic India Private Limited
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 Tel: +91 427 - 243 3000
 E-Mail: talema@talemaindia.net
 Web: www.talema.com

Europe

Germany (Design, Sales & Marketing)

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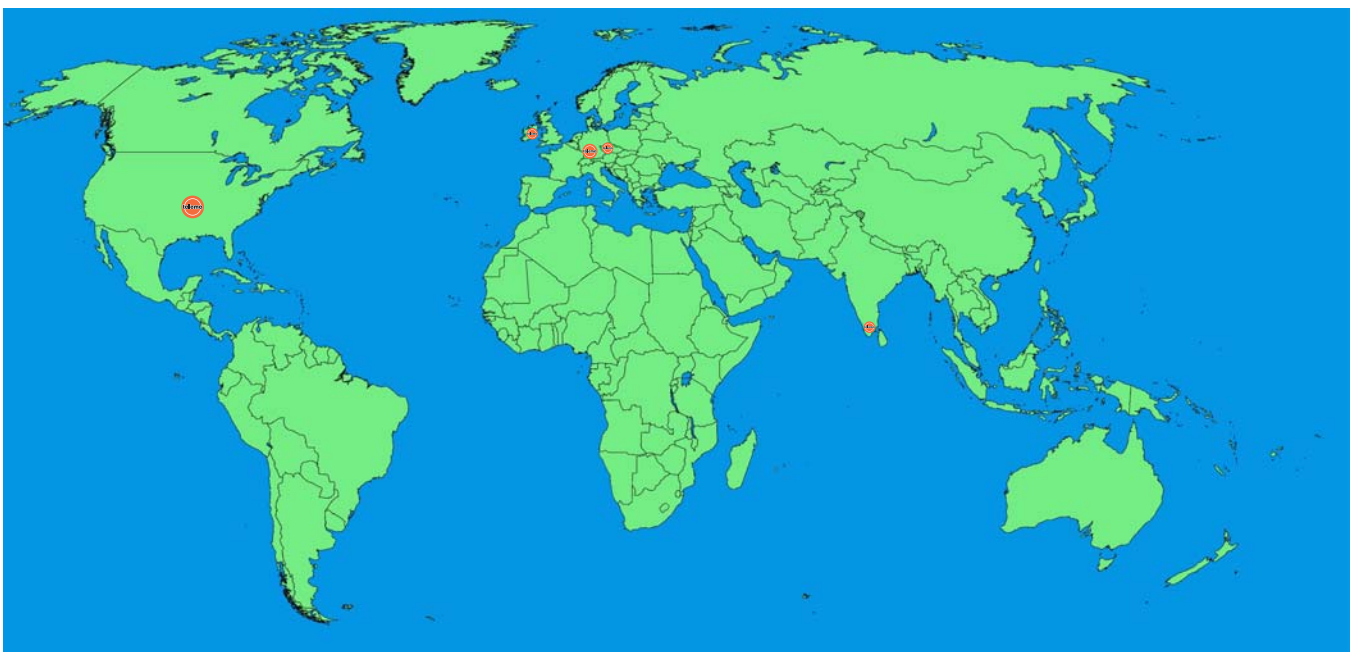
Ireland (Design, Sales & Marketing)

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 Units W & X, Gweedore Business Park
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 Tel: +353 (0) 74 95 48666
 Fax: +353 (0) 74 95 48139
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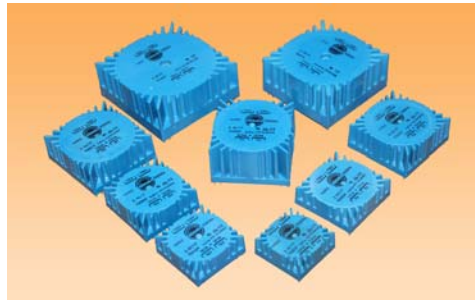
Locations of Talema Group Regional Offices



Summary

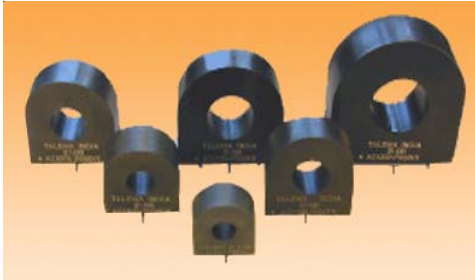
SECTION 1

- 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

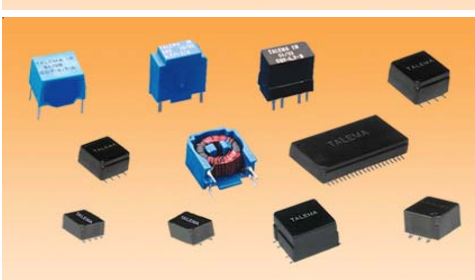
SECTION 6

- CURRENT COMPENSATED EMI NOISE SUPPRESSION CHOKES



SECTION 7

- LAN MAGNETIC COMPONENTS FOR ETHERNET APPLICATIONS



SECTION 8

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

SECTION 9

- TRANSFORMERS FOR BROADBAND ACCESS AND FIBRE CHANNEL INTERFACE



SECTION 10

- THE TALEMA GROUP BROCHURE

