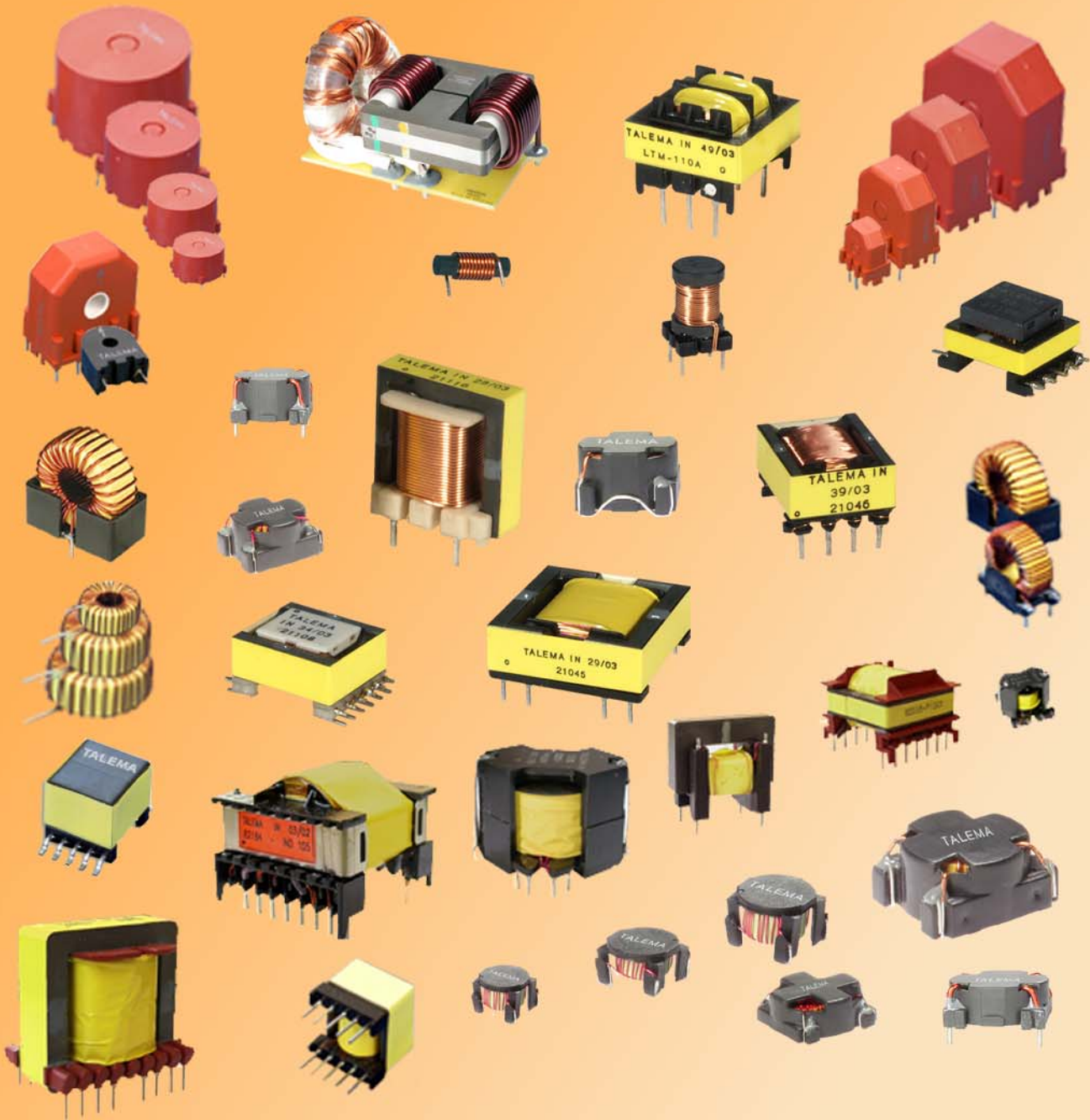


Inductors and Transformers For SMPS Magnetic Requirements



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 700 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 10Base-T/100Base-T/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 9001:2008, ISO/TS 16949:2009 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 Transformers, Chokes, Inductors and HF Components are produced in an Environment Management System (EMS) facility certified to ISO 14001:2004



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| • Transformers and Inductors (Linear Version) - RM, EE/EF, EFD/EVD & EI Magnetics | - 4 |
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| • Regional Locations - Design, Manufacturing, Sales & Marketing | - 7 |
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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 9001:2008, ISO/TS 16949:2009 and ISO 14001:2004 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



High capacity in-house production capabilities permit Talema to meet volume requirements for highly competitive ferrite transformers. Based on the most popular shape & size 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.

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

Transformers and Inductors (Linear Version)

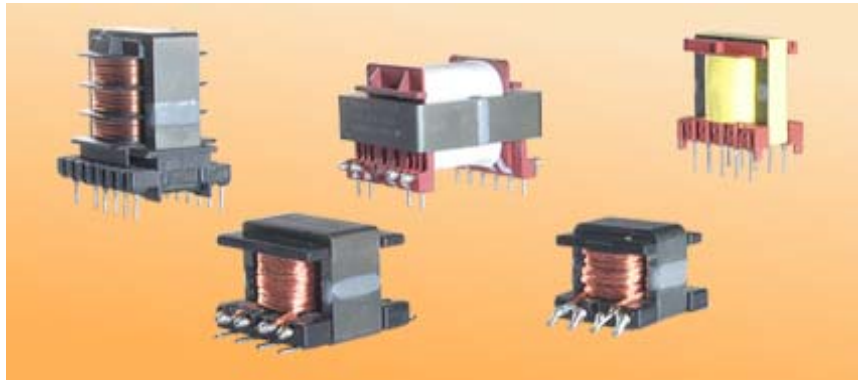
RM Magnetics

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



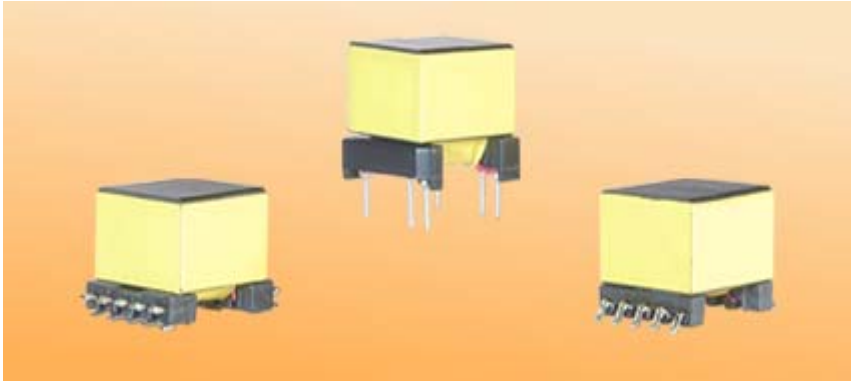
EI Magnetics

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



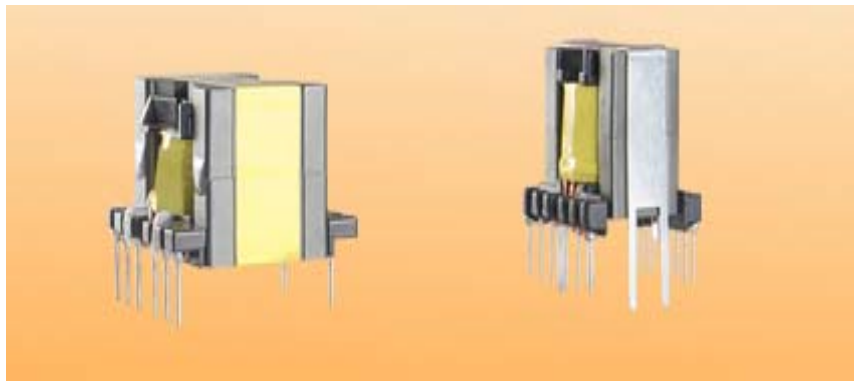
PTS Magnetics

Type: Vertical
 Mounting: THT
 Range: PTS14 - PTS40



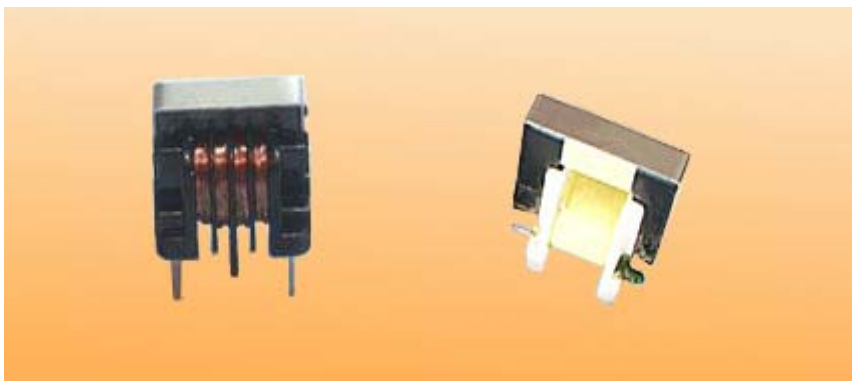
PQ Magnetics

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
 Tel: +1 573-303-3675
 E-Mail:
sales@talemagroup.com
 Web: www.talema.com

Asia

India (Design, Manufacturing, Sales & Marketing)

Administrative Office
Talema Electronic India Private Limited
 Door No. 221, 1st and 2nd Floor
 KJ Plaza, Opp.to Vidya Mandir School
 Meyanur Main Road
 Salem - 636 004 Tamil Nadu INDIA.
 Tel: +91 427 - 243 3100
 Fax: +91 427 - 243 3109
 E-Mail: talema@talemaindia.net
 Web: www.talema.com

Factory Premises
Talema Electronic India Private Limited
 No. 31 & 31, Electronic Industrial Estate
 Suramangalam Post
 Salem - 636 005 Tamil Nadu INDIA
 Tel: +91 427 - 243 3000
 E-Mail: talema@talemaindia.net
 Web: www.talema.com

Europe

Germany (Design, Sales & Marketing)

Talema Elektronik GmbH
 Sembdnerstr. 5
 82110 Germering
 Tel: +49 89 - 841 00 - 0
 Fax: +49 89 - 841 00 25
 E-Mail: info@talema.de
 Web: www.talema.com

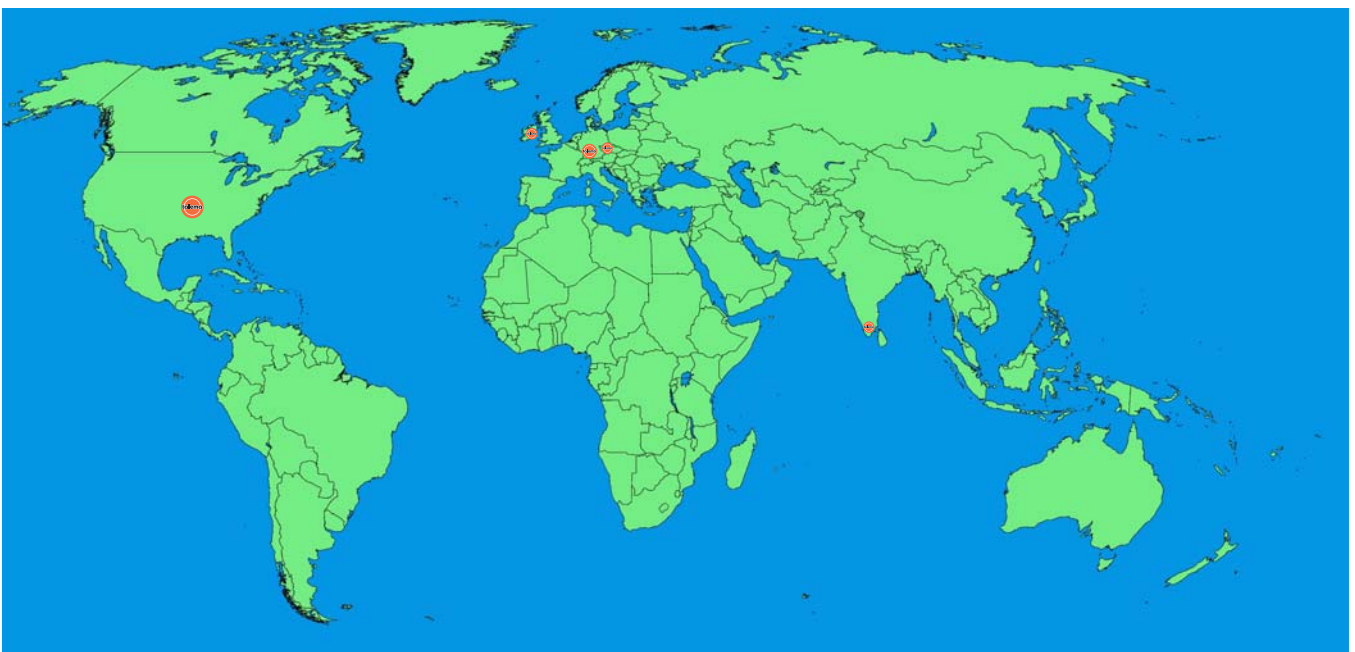
Ireland (Design, Sales & Marketing)

Nuvotem TEO
 Units W & X, Gweedore Business Park
 Derrybeg, Letterkenny, Co. Donegal
 Tel: +353 (0) 74 95 48666
 Fax: +353 (0) 74 95 48139
 E-Mail: info@nuvotem.com
 Web: www.nuvotem.com

Czech Republic (Design, Manufacturing, Sales & Marketing)

NT Magnetics s.r.o.
 Chebská 27
 322 00 Plzeň
 Tel: +420 377 - 338 351
 Fax: +420 377 - 338 350
 E-Mail: talema@talema.cz
 Web: www.ntmagnetics.cz

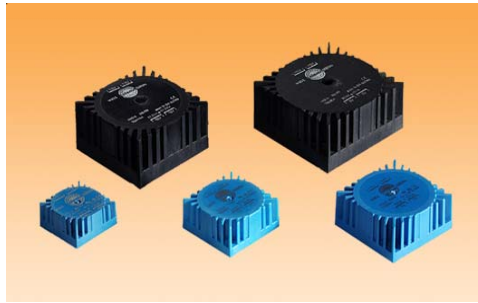
Locations of Talema Group Regional Offices



Summary TOTAL PROGRAM

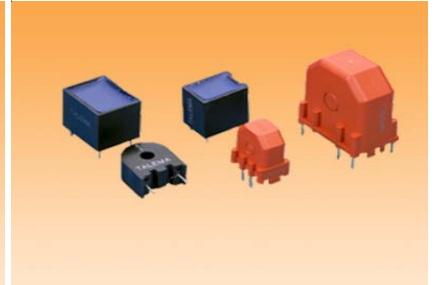
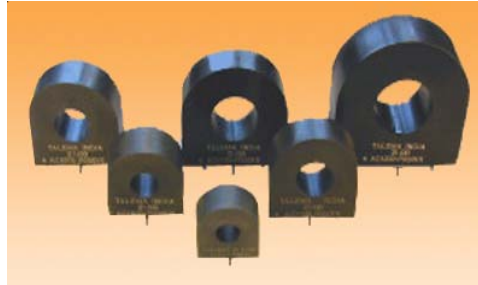
SECTION 1

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



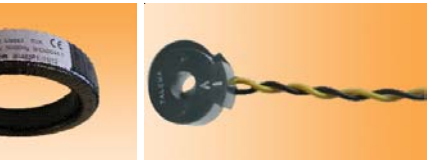
SECTION 2

- CURRENT SENSE TRANSFORMERS &
INDUCTORS



SECTION 3

- CHOKES, INDUCTORS AND TRANSFORMERS
FOR POWER APPLICATIONS



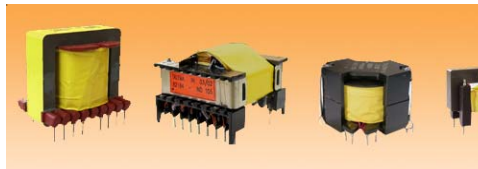
SECTION 5

- COMPONENTS FOR TELECOMMUNICATIONS
AND DATA LINE TECHNOLOGY



SECTION 6

- CURRENT COMPENSATED EMI NOISE
SUPPRESSION CHOKES



SECTION 7

- LAN MAGNETIC COMPONENTS FOR
ETHERNET APPLICATIONS



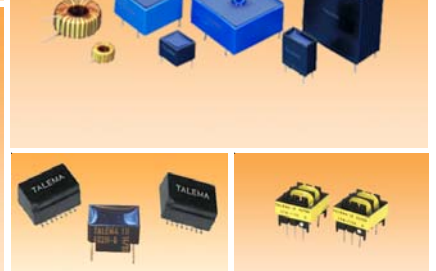
SECTION 8

- 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
OVERALL PRODUCTS - AN OVERVIEW

