

CBS Europe Srl

FORNITORE di COMPONENTI ELETTRONICI



LA VOSTRA SODDISFAZIONE E' IL NOSTRO MIGLIORE BIGLIETTO DA VISITA

La VIKING TECH viene fondata nel 1997 a Taiwan e si pone subito l'obiettivo di diventare un leader nello sviluppo e produzione di Resistori SMS Thin-Tick film così come Reti Resistive, Condensatori ed Induttori. Sensibili alla richiesta di un mercato alla continua ricerca di una miniaturizzazione dei componenti, la VIKING TECH ha dato vita ad un solido team di R&D con il compito di utilizzare al meglio la tecnologia a film sottile: tale sforzo ha permesso all'azienda di divenire un riferimento per la produzione di resistori di precisione, current sense ed induttori RF.

La raffinata capacità tecnica permette all'azienda la produzione di resistori a bassissima tolleranza (fino a 0.01%-5ppm). Un range di prodotti così esteso ha permesso alla Viking Tech di incrementare rapidamente il volume di affari a livello globale: tale crescita supportata da un forte piano di investimenti e acquisizioni (come quella della TMTECH avvenuta a Gennaio del 2009) fanno della Viking Tech un riferimento per la progettazione e produzione di componenti passivi in miniatura.

Gli Impianti di produzione situati a Taiwan hanno un elevato standard qualitativo, con certificati ISO9001 & ISO14001, Automotive IATF16949 e Medicale ISO13485.



PRODUCTS

- Automotive Grade Resistors
- Thick Film Resistors
- Thin Film Resistors
- Current Sensing Resistors
- Metal Low Ohm Resistors
- MELF Resistors
- Network / Array Resistors
- Functional Film Resistors
- Leaded Resistors
- Wire Wound Power Resistors
- Power Resistors

- RF Ceramic Inductors
- Ferrite Chip Inductors
- Miniature Power Inductors
- Power Choke Power Inductors
- SMD Metal Alloy Power Inductors
- Shielding Power Inductors
- Non-Shielding Power Inductors
- Wire Wound Power Inductors
- DIP Power Inductors
- EMI Bead
- Common Mode Filter
- Automotive Grade Inductors

- SMD Multilayer Chip Capacitors
- Conductive Polymer Aluminum Solid Electrolytic Capacitors
- SuperCapacitors



Established & Expanded

Go on Public

Automotive Market

Medical Market

Long term strategy

1997 - 2011

2011 - 2016

2016 - 2019

2020 - 2022

2022 - 2025

- 1997 Established for Integrated Passive Devices.
- Thin Film Foundry Service OEM/ODM. 2001
- **ISO9001/14001**
- 2002 Acquired Chip Resistor Company (TMTEC)
- **2010 TS16949**
- Certificated, Melf Resistor

- Viking Tech go on Public in Taiwan.
- Set up Viking Tech America Corporation
- Expansion Hsinchu Factory II

- Automotive market (**IATF16949 Certificated**)
- Factory in Taiwan were all processed VDA 6.3

- Medical market (ISO13485 approved)
- Aggressively Extension for Thin Film, MELF, Thick Film Resistor production.
- MES (Manufacturing Execution System)

- More solutions for environment and future
- Keep developing new products to cover more niche market

D. Wuxi Factory



E. Nantong Factory - 2025 SOP !



Hsin Chu Factory II



Headquarter

Found Date : October 1, 1997



Chengdu, China

Shanghai, China

C. Office , CA



Dong Guan, China

A. Hsin Chu Factory I & II

B. Kaoshiung Factory I & II



A Headquarter.
Employee: 380 people

B Kaoshiung.
Employee: 360 people

C C. Office, C.A.
2012 Set up Viking Tech
America Corporation

D Wuxi TMTEC:
Employee :80 people

E Nantong.
Factory: Build up in 2025

Automotive Market

Medical Market

bsi. **By Royal Charter**

Certificate of Registration

QUALITY MANAGEMENT SYSTEM - IATF 16949:2016

This is to certify that: **Viking Tech Corporation**
No. 23, Gongye 5th Rd.
Hukou Township
Hsinchu County
303
Taiwan

光耀科技股份有限公司
臺灣
新竹縣
湖口鄉
新竹工業區工業五路23號
303

operates a Quality Management System which complies with the requirements of IATF 16949:2016 for the following scope:

The design and manufacture of resistors and inductors.
電阻與電感之設計與製造

For and on behalf of BSI:
Managing Director BSI Taiwan, Peter Pu

BSI Certificate Number: 544493-000
IATF Number: 0293092

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Certification Date: 2018-03-05
Latest Revision Date: 2019-03-28
Expiry Date: 2021-03-05

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.
An electronic certificate can be validated at www.bsi.com/BSICheckCertificate or telephone +44 (0)2035166155.
IATF Certificate/CNIR: ISO Registered UK Limited, registered in England number 795521 at 389 Chiswick High Road, London W4 4AL, UK.
Taiwan Headquarters: 5th Floor, No.29, 31st Rd., 300th No. Dist., Taichung City, Taiwan, R.O.C.
A Member of the BSI Group of Companies.

IATF 16949
VDA6.3

bsi. **By Royal Charter**

Certificate of Registration

ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2015

This is to certify that: **Viking Tech Corporation**
No. 70, Kuanfu N. Rd.
Hsin Chu Industrial Park
Hukou Township
Hsinchu County
303
Taiwan

光耀科技股份有限公司
臺灣
新竹縣
湖口鄉
新竹工業區光復北路70號
303

Holds Certificate No: **EMS 547045**
and operates an Environmental Management System which complies with the requirements of ISO 14001:2015 for the following scope:

The design, sales and manufacture of resistors and inductors.

For and on behalf of BSI:
Chris Cheung, Head of Compliance & Risk - Asia Pacific

Original Registration Date: 2009-05-04
Latest Revision Date: 2019-01-02

Effective Date: 2016-12-12
Expiry Date: 2019-12-11

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ISO9001

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Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that: **Viking Tech Corporation**
No. 23, Gongye 5th Rd.
Hukou Township
Hsinchu County
303
Taiwan

光耀科技股份有限公司
臺灣
新竹縣
湖口鄉
新竹工業區工業五路23號
303

Holds Certificate No: **FM 550610**
and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:

The design and manufacture of resistors and inductors.
電阻以及電感之設計與製造

For and on behalf of BSI:
Chris Cheung, Head of Compliance & Risk - Asia Pacific

Original Registration Date: 2009-03-23
Latest Revision Date: 2018-03-06

Effective Date: 2018-03-06
Expiry Date: 2021-03-05

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ISO14001

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Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 13485:2016

This is to certify that: **Viking Tech Corporation Kaohsiung Branch**
No.248-3, Sin-Sherg Rd.
Cian-Jher Dist.
Kaohsiung City
80672
Taiwan

光耀科技股份有限公司
臺灣
新竹縣
湖口鄉
新竹工業區工業五路23號
303

Holds Certificate Number: **MD 705231**
and operates a Quality Management System which complies with the requirements of ISO 13485:2016 for the following scope:

The design and manufacture of resistors for medical devices.

For and on behalf of BSI:
Stewart Blair, Head of Compliance & Risk - Medical Devices

Original Registration Date: 2015-08-13
Latest Revision Date: 2019-08-13

Effective Date: 2019-08-13
Expiry Date: 2022-08-12

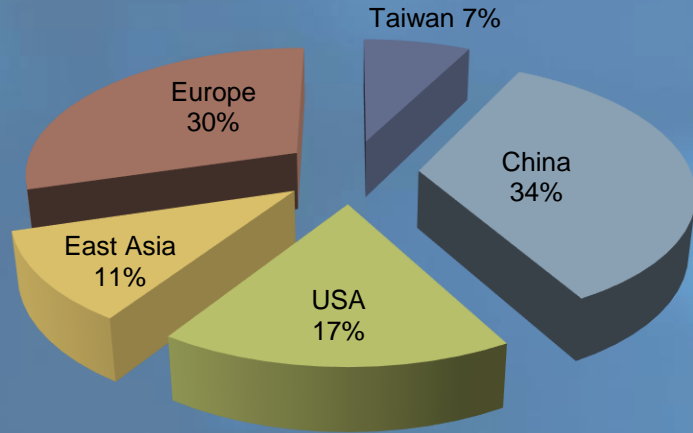
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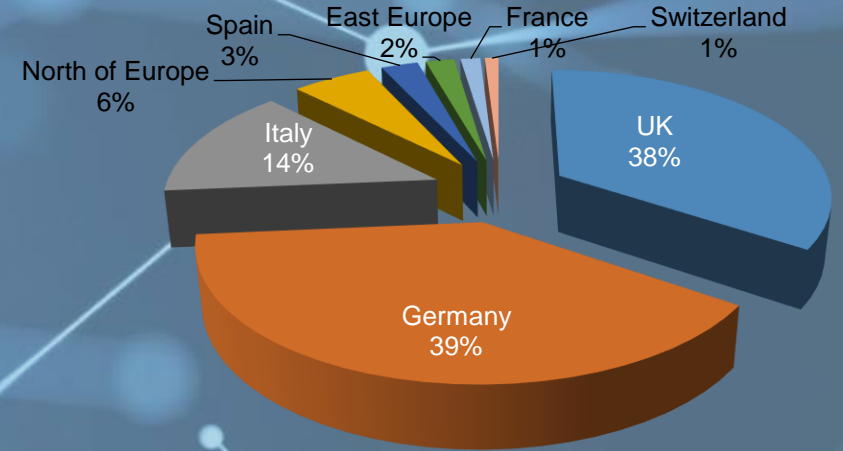
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ISO13485

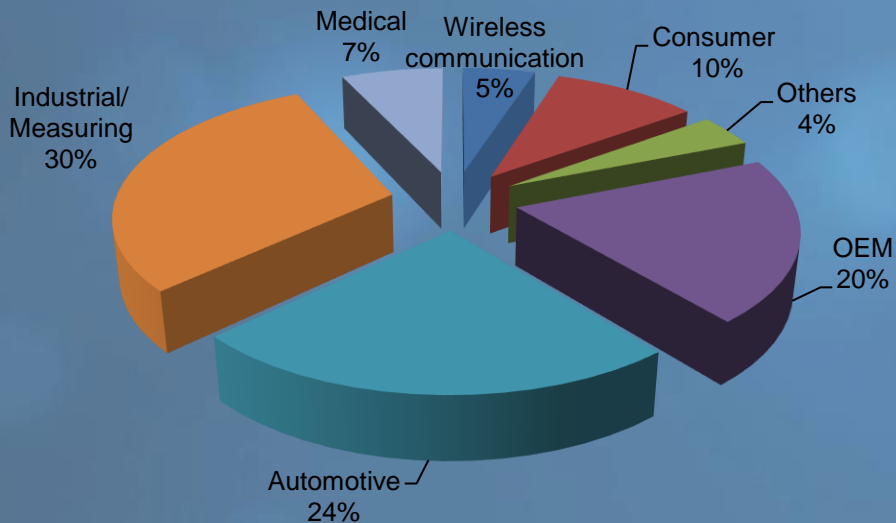
GLOBAL MARKET SHARE



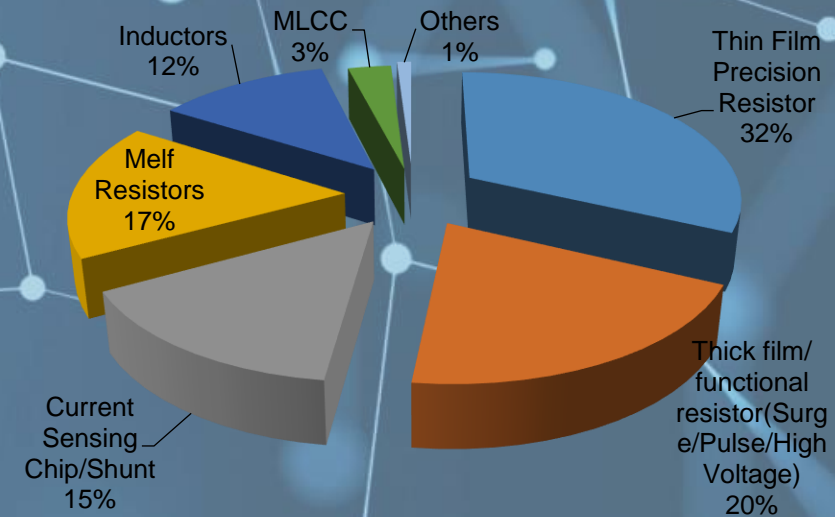
EUROPE MARKET SHARE



SALES FOR MARKET SEGMENTS



PRODUCT TYPE SHARE



Thick Film



- Series CR** Thick Film Chip Resistors.
- Series CR.AC** Thick Film Chip Resistors (AECQ-200 Qualified).
- Series CR.A** Thick Film Chip Resistors (AECQ-200 Compliance).
- Series CRTC** Thick Film High Precision & Low TCR Chip Resistors.
- Series CRP** Thick Film High Power Chip Resistors (Aluminum Nitride Substrate).
- Series HMR** Thick Film High Ohmic Chip Resistors.
- Series HVR** Thick Film High Voltage Chip Resistors.
- Series HVR.A** Thick Film High Voltage Chip Resistors (AECQ-200 Qualified).
- Series HVRC** Thick Film High Voltage Low VCR Chip Resistors (AECQ-200 Qualified).
- Series RT** Thick Film Trimmable Chip Resistors.
- Series CRW** Thick Film Chip Resistors (Wide Terminal).
- Series CRW.A** Thick Film Chip Resistors (AECQ-200 Compliance).
- Series AS** Thick Film Anti - Sulfurated Chip Resistors.

- Series AS.A** Thick Film Anti - Sulfurated Chip Resistors (AECQ-200 Qualified).
- Series PWR** Pulse Withstanding Chip Resistors.
- Series PWR.A** Pulse Withstanding Chip Resistors (AECQ-200 Compliance).
- Series SWR** Surge Withstanding Chip Resistors.
- Series SWR.A** Surge Withstanding Chip Resistors (AECQ-200 Compliance).

- Series ARP** Thin Film High Power Chip Resistors.
- Series ARN** Thin Film Aluminum Nitride Precision Chip Resistors.
- Series TAR** Thin Film Tantalum Nitride Precision Chip Resistors.
- Series PR** Thin Film Anti – Corrosive Chip Resistors.
- Series RAM** Thin Film of Advanced Meter Chip Resistors.
- Series ARF** Thin Film Precision High Frequency (up to 40GHz) Chip Resistors.

Thin Film



- Series ARG** Thin Film Precision Chip Resistors.
- Series AR** Thin Film Precision Chip Resistors.
- Series AR.A** Thin Film Precision Chip Resistors (AECQ-200 Compliance).
- Series ARM.A** Thin Film Metal Chip Resistors (AECQ-200 Compliance).
- Series ART.A** Thin Film Professional Chip Resistors (AECQ-200 Compliance).
- Series ARTP.A** Thin Film High Power Chip Resistors (AECQ-200 Compliance).
- Series ARHV.A** Thin Film High Voltage Chip Resistors (AECQ-200 Compliance).

Low Ohm



- Series CS** Current Sensing Chip Resistors.
- Series CS.A** Current Sensing Chip Resistors (AECQ-200 Compliance).
- Series TCS** Thin Film Current Sensing Chip Resistors.
- Series RS** Thick Film Current Sensing Chip Resistors.
- Series CSN** Current Sensing Chip Resistors.
- Series CSM** Current Sensing Metal Chip Resistors.

Low Ohm



Series CSW Current Sensing Chip Resistors (Wide Terminal).

Series MF Metal Foil Chip Fixed Resistors.

Series MF.A Metal Foil Chip Fixed Resistors (AECQ-200 Compliance).



Series LRP Low Ohm (Metal Strip) Chip Resistors.

Series LRP.A Low Ohm (Metal Strip) Chip Resistors (AECQ-200 Compliance).

Series LR Ultra Low Ohm (Metal Strip) Chip Resistors.

Series 4T Four Terminal High Precision Current Sensing Chip Resistors.

Series LRJ Low Ohm (Jumper) Chip Resistors.

Series LRC Low Ohm (Metal Strip) Chip Resistors.

Series LRS Shunt Chip Resistors.

Total Lead Free



Series CRG Thick Film Total Green Chip Resistors.

Series CRG.A Thick Film Total Green Chip Resistors (AECQ-200 Compliance).

Series ASG Thick Film Total Green Anti - Sulfurated Chip Resistors.

Series ASG.A Thick Film Total Green Anti - Sulfurated Chip Resistors (AECQ-200 Compliance).

Melf



Series CSR MELF Metal Film Precision Resistors.

Series CSR.V MELF Metal Film Precision Resistors (AECQ-200 Compliance).

Series CSRA MELF Metal Film Precision Resistors (AECQ-200 Compliance).

Series CSRH MELF High Voltage Resistors.

Series CSR.P MELF High Voltage Precision Resistors (AECQ-200 Compliance).

Series CSR.F MELF High Frequency Precision Resistors.

Melf



Series CFS MELF Carbon Film Resistors.

Network



Series CN, CAN Thick Film Array Chip Resistors.

Series CN.A Thick Film Array Chip Resistors (AECQ-200 Compliance).

Series TFAN Thin Film Array Chip Resistors.

Series CNF Thick Film Flat Array Chip Resistors.

Series CNF.A Thick Film Flat Array Chip Resistors (AECQ-200 Compliance).

Series AS Thick Film Anti-Sulfurated Array Chip Resistors.

Series AS.A Thick Film Anti-Sulfurated Array Chip Resistors (AECQ-200 Compliance).

Leaded



- Series CFR** Carbon Film Leaded Resistors.
- Series MOF** Metal Oxide Leaded Resistors.
- Series MFR** Metal Film Precision Leaded Resistors.
- Series MFD** Metal Film High Precision Leaded Resistors.
- Series KNP** Wire Wound Leaded Resistors.
- Series MGR** Metal Glazed Leaded Resistors.
- Series FMR** Metal Film Flame-Proof Resistors.

Power PTH



- Series TR30** 30 Watts TO-220 Power Resistors.
- Series TR35** 35 Watts TO-220 Power Resistors.
- Series TR50** 50 Watts TO-220 Power Resistors.
- Series TR50-H** 30 Watts TO-220 Power Resistors (with Hole).
- Series TR100** 100 Watts TO-247 Power Resistors.
- Series QR** Wire Wound Power Resistors.

Power SMD



- Series WR** Wire Wound Power Chip Resistors.
- Series STR35** TO-263 35 Watts Power Resistors.

MLCCs



- Series MC** Multilayer Chip Ceramic Capacitors.

- Series MCF** Multilayer Chip Ceramic Capacitors.

- Series MCFA** Multilayer Flexible Terminals Chip Ceramic Capacitors.

- Series MCF(A)..A** Multilayer Chip Ceramic Capacitors (AECQ-200 Compliance).

- Series MCRF** Multilayer Ultra High Q & Low ESR Chip Ceramic Capacitors.

- Series MCLI** Multilayer Low Inductance Chip Ceramic Capacitors.

- Series IM** Industrial Chip Ceramic Capacitors.

- Series OP** Open - Mode Design Chip Ceramic Capacitors.

Series SC

Coin Type SuperCapacitors.



Series SC

Lithium Ion Type SuperCapacitors.



Series SC

Cylindrical & Radial Type SuperCapacitors.



Series SC

Combined Type SuperCapacitors.



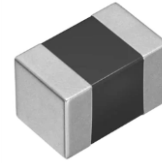
Series AL

Thin Film Chip Inductors.



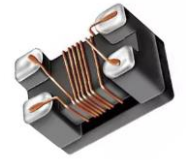
Series MLH-G

Cheaper Multilayer Ferrite Chip Inductors.



Series CM

Chip Common Mode Filters.



Series CL-S

Multilayer Chip Inductors.



Series CBM

Multilayer Chip Beads.



Series CMC

Common Mode Filters.



Series CL-SA

Multilayer Chip Inductors (AECQ-200 Compliance).



Series CBM..A

Multilayer Chip Beads (AECQ-200 Compliance).



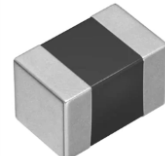
Series PCM

Common Mode Filters.



Series ML (H)

Multilayer Ferrite Chip Inductors.



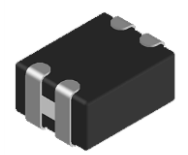
Series CBF

Multilayer Chip Beads.



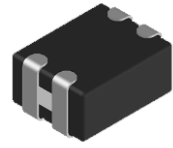
Series CMX

Multilayer Chip Common Mode Filters.



Series CMX..A

Multilayer Chip Common Mode Filters (AECQ-200 Compliance).



Series NL

Wire Wound Chip Inductors (Ferrite).



Series CFH..A

Wire Wound Common Mode Filters (AECQ-200 Compliance).



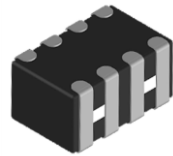
Series NLD

Wire Wound Chip Inductors (Metal).



Series CMA

Multilayer Array Chip Common Mode Filters.



Series WL

Wire Wound Chip Inductors.



Series VLH

Miniature Power Inductors.



Series SMP

Miniature Power Inductors.



Series PS

Shielded Power Inductors.



Series SDIA

Miniature Power Inductors.



Series MLP(H)

Miniature Power Inductors.



Series PCS

Shielded Power Inductors.



Series SDIA-G

Miniature Power Inductors.



Series PD

Non - Shielded Power Inductors.



Series PCDR

Shielded Power Inductors.



Series SDIM

Miniature Power Inductors.



Series PCD

Non - Shielded Power Inductors.



Series PSDB

Shielded Power Inductors.



Series SCDA Shielded Power Inductors.



Series SDA..A Shielded Power Inductors (AECQ-200 Compliance).



Series DRGH Dip Power Choke.



Series SCDS Shielded Power Inductors.



Series SDB Shielded Power Inductors.



Series DRGR Dip Power Choke.



Series SDRH Shielded Power Inductors.



Series SDN Shielded Power Inductors.



Series SDA Shielded Power Inductors.



Series SDE..A Shielded Power Inductors (AECQ-200 Compliance).





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