CBS Europe Srl

FORNITORE di COMPONENTI ELETTRONICI

*WE PROVIDE **SOLUTIONS** THROUGH **INNOVATION***

***Focused** on passive & interconnection components*

***Face-to-Face** Customer Mannufacturer*

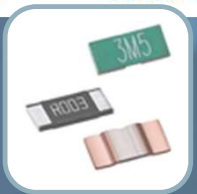
*E-Commerce **B2B***

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.

Viking Tech Corporation



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

1997 - 2011

- 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

Go on Public

2011 - 2016

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

Automotive Market

2016 - 2019

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

Medical Market

2020 - 2022

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

Long term strategy

2022 - 2025

- 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

Dong Guan, China

A. Hsin Chu Factory I & II

C. Office , CA

B. Kaoshiung Factory I & II

A Headquarter.
Employee: 380 people

B Kaohsiung.
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

QUALITY MANAGEMENT CERTIFICATES

Automotive 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

光關科技股份有限公司
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.
電阻與電感的設計與製造

For and on behalf of BSI:

Managing Director BSI Taiwan, Peter Pu

BSI Certificate Number: 544493-000
IATF Number: 0293092

Page: 1 of 2

Certification Date: 2018-03-06 Latest Revision Date: 2019-03-28 Expiry Date: 2021-03-05

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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

光關科技股份有限公司
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 Effective Date: 2016-12-12
Latest Revision Date: 2019-01-02 Expiry Date: 2019-12-11

Page: 1 of 2

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By Royal Charter

Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

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

光關科技股份有限公司
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.
電阻以及電感的設計與製造

For and on behalf of BSI:

Chris Cheung, Head of Compliance & Risk - Asia Pacific

Original Registration Date: 2009-03-23 Effective Date: 2018-03-06
Latest Revision Date: 2018-03-06 Expiry Date: 2021-03-05

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Medical Market

bsi.

By Royal Charter

Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 13485:2016

This is to certify that: Viking Tech Corporation Kaohsiung Branch
No.248-3, Sin-Sheng Rd.
Qian-Zhen Dist.
Kaohsiung City
80672
Taiwan

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 device.

For and on behalf of BSI:

Stewart Bain, Head of Compliance & Risk - Medical Devices

Original Registration Date: 2015-08-13 Effective Date: 2019-08-13
Latest Revision Date: 2019-08-13 Expiry Date: 2022-08-12

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IATF I6949
VDA6.3
☑☑☑

ISO9001
☑☑☑

ISO14001
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ISO13485
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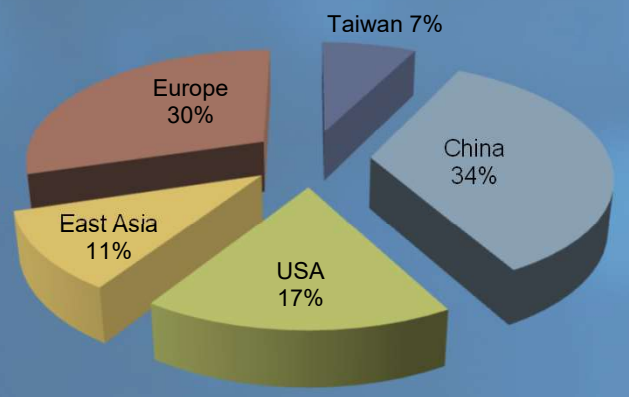
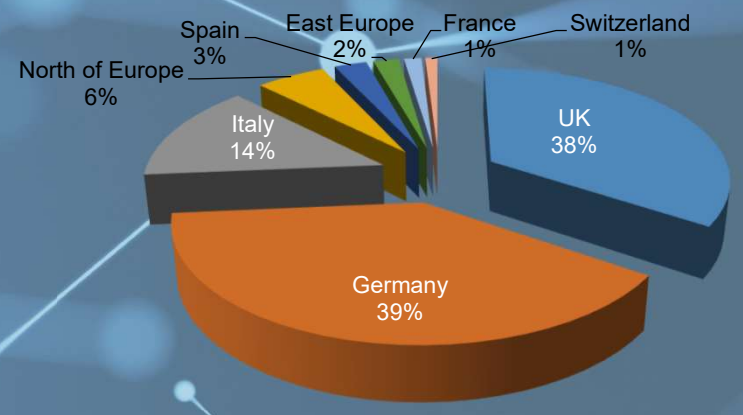
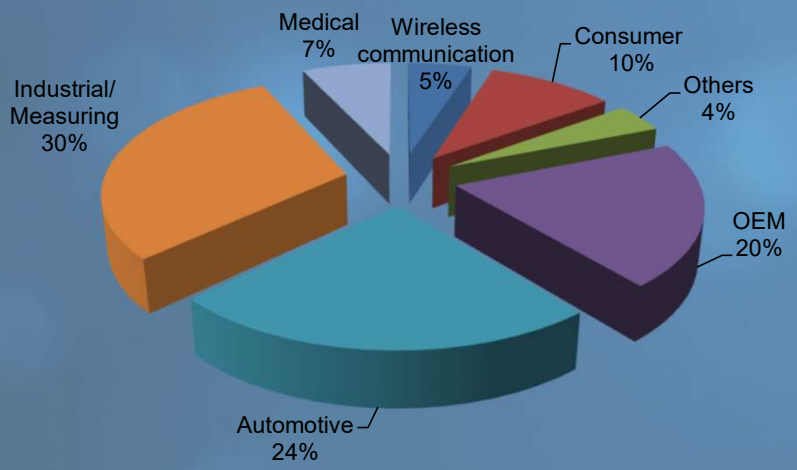
GLOBAL MARKET SHARE



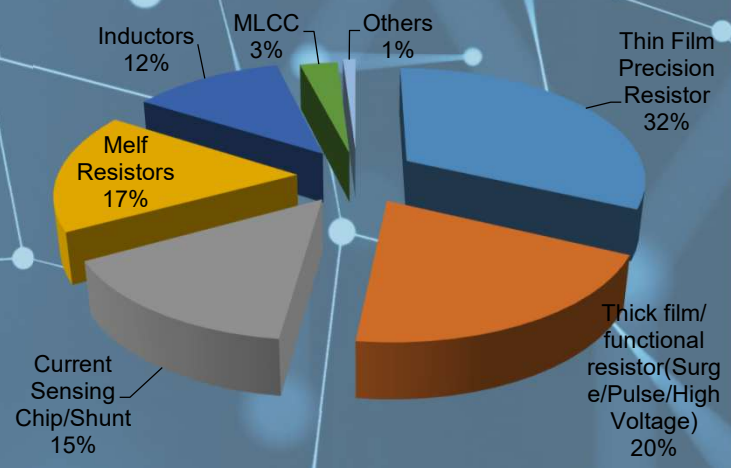
EUROPE MARKET SHARE



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).

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).
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.

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 CSRV	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 CSRP	MELF High Voltage Precision Resistors (AECQ-200 Compliance).
Series CSRF	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.

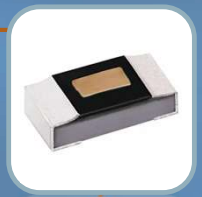
Series SC **Lithium Ion Type** SuperCapacitors.

Series SC **Cylindrical & Radial Type** SuperCapacitors.

Series SC **Combined Type** SuperCapacitors.

CHIP INDUCTORS

Series AL Thin Film Chip Inductors.



Series CL-S Multilayer Chip Inductors.

Series CL-SA Multilayer Chip Inductors (AECQ-200 Compliance).

Series ML (H) Multilayer Ferrite Chip Inductors.

Series MLH-G Cheaper Multilayer Ferrite Chip Inductors.

Series CBM Multilayer Chip Beads.

Series CBM..A Multilayer Chip Beads (AECQ-200 Compliance).

Series CBF Multilayer Chip Beads.

Series CM Chip Common Mode Filters.

Series CMC Common Mode Filters.

Series PCM Common Mode Filters.

Series CMX Multilayer Chip Common Mode Filters.

CHIP INDUCTORS

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

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

Series CMA Multilayer Array Chip Common Mode Filters.

Series WL Wire Wound Chip Inductors.

Series NL Wire Wound Chip Inductors (Ferrite).

Series NLD Wire Wound Chip Inductors (Metal).

POWER 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.

POWER INDUCTORS

Series SCDA Shielded Power Inductors.

Series SCDS Shielded Power Inductors.

Series SDRH Shielded Power Inductors.

Series SDA Shielded Power Inductors.

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

Series SDB Shielded Power Inductors.

Series SDN Shielded Power Inductors.

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

Series DRGH Dip Power Choke.

Series DRGR Dip Power Choke.

CBS Europe Srl

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Tel. 071.7232409

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