

Resistor Specialist
39 *Yrs.*



ROYALOHM
ISO/TS 16949 Certified

Company Profile 2017

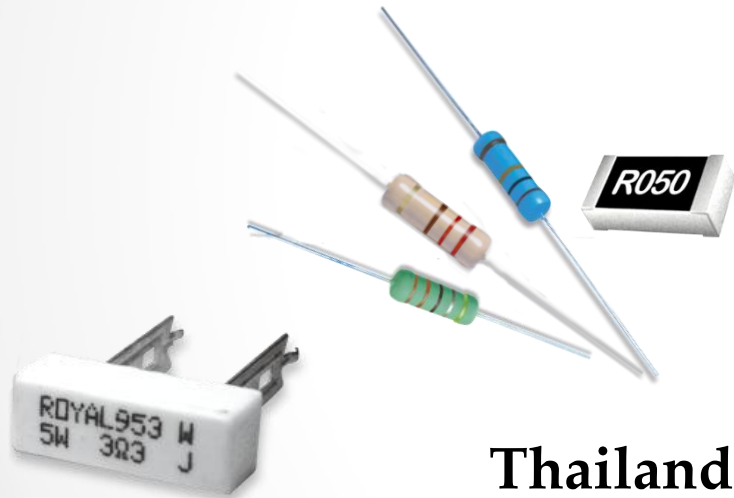


www.royalohm.com

ROYALOHM

39 yrs.

Resistor manufacturing & distribution.
Offers wide range of resistor products.
USD\$ 68 million turnover.



Taiwan
(H.O.)
1978

Thailand
1988

Shenzen
China
2004

Shenzen
China
2007

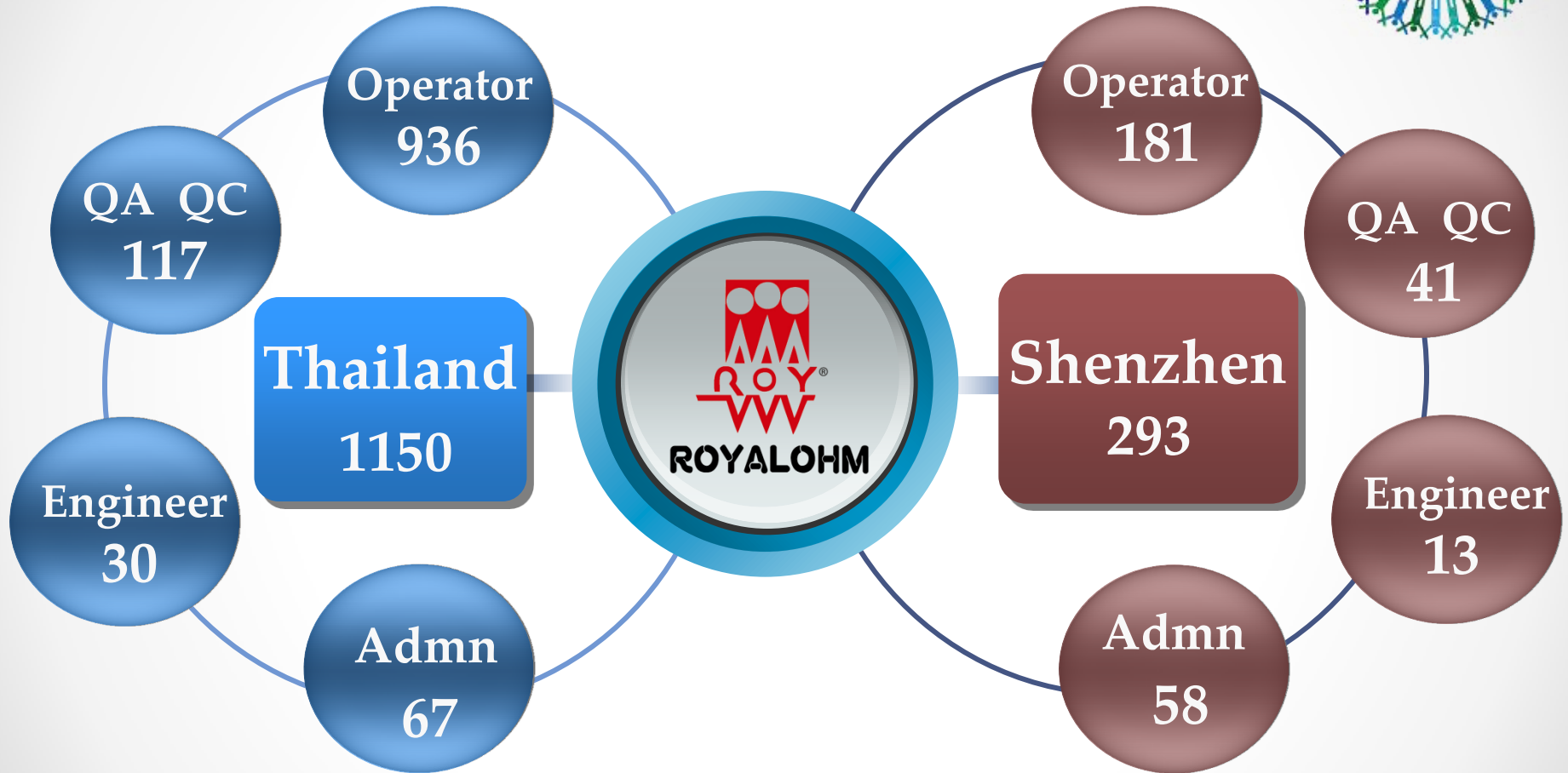
Thailand
Plant 2
2015



www.royalohm.com

ROYALOHM

*Qualified & Dedicated People
Our Best Asset !*





Surface Mount Chip Resistors



General Purpose – Thick Film (RMC)

Anti Surge (AS)

Automotive Grade (CQ, HQ)

Pulse Withstanding (PS)

Anti Sulfur (NS)

Anti Electro Static Discharge (ES)

Wide Terminal

High Voltage (HV)

High Power (HP)

Super High Power (SP12) – 3W

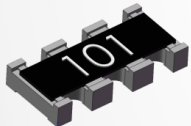
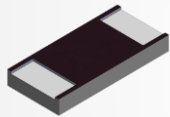
Trimmable (TR)

Current Sense (CS)

High Precision (TC/TP)

Ultra Low (LR/LF)

Chip Array – Convex & Concave



Single In Line

A- Single Common

B- Isolated

D – Neck & Neck

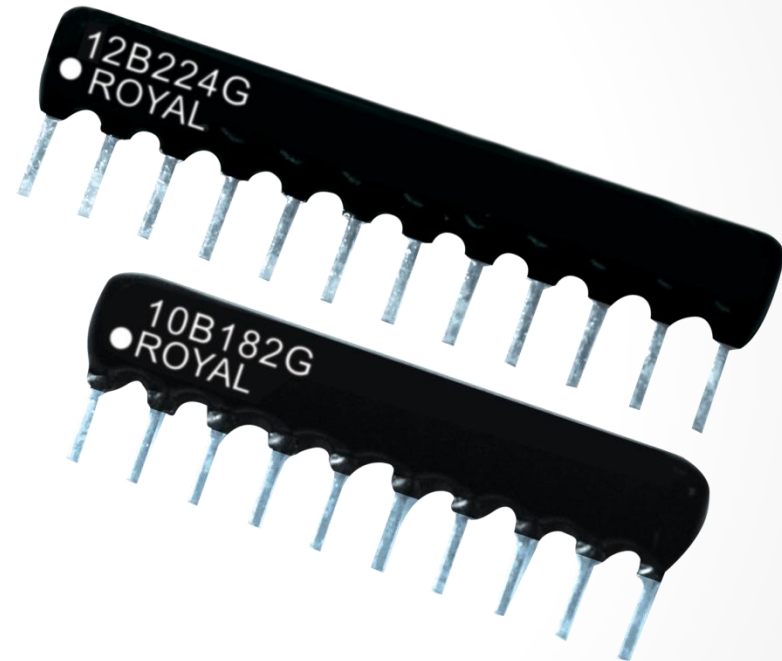
E - Ladder

L – R/R2 Ladder

R – Double Sided

4 Pins to 16 Pins

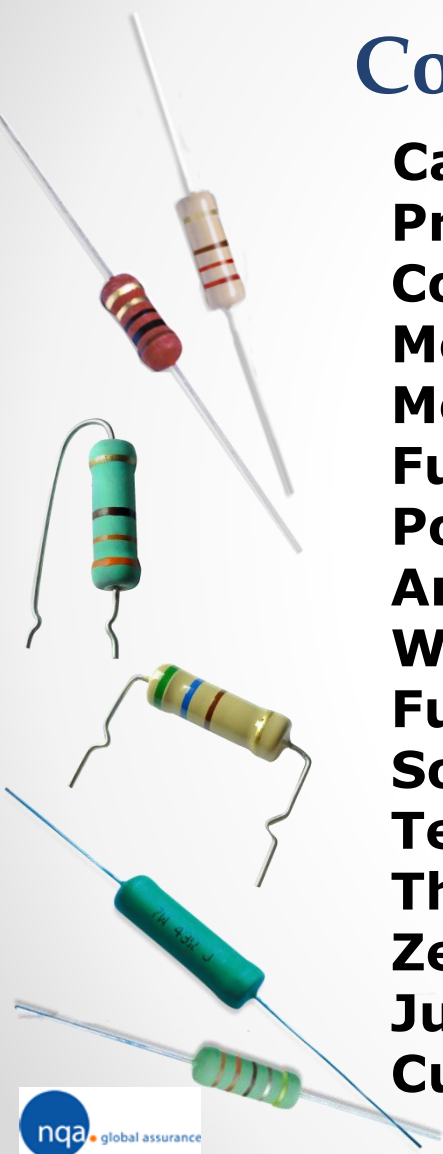
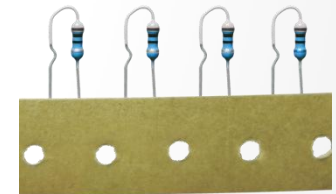
2% to 5%



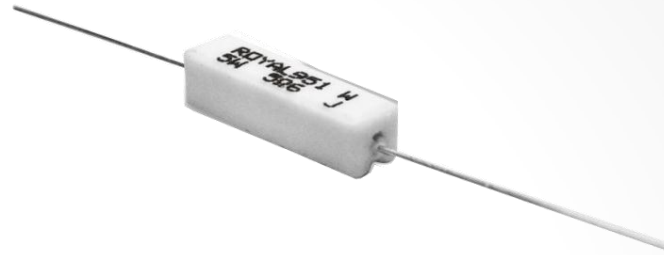
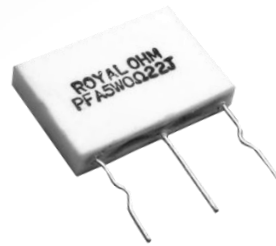


Coating Through Hole

- Carbon Film (CFR)**
- Precision Metal Film (MFR)**
- Copper Plated Steel Lead Wire (CP, CT)**
- Metal Glaze (MGR)**
- Metal Oxide (MOR)**
- Fusible (FRN)**
- Power Metal (PMR)**
- Anti Surge Wire Wound (KNPA)**
- Wire Wound (KNP)**
- Fusible Wire Wound (FWR/FWRA)**
- Soft Short Circuit**
- Terminal Metal Oxide (TMOR, TMOV)**
- Thermal Fusing Wire Wound (TFR)**
- Zero Ohm (ZO)**
- Jumper Wire / Wire Links (JW)**
- Cutting Type Leadless (CO)**



ROYALOHM



Cement Resistors
Axial & Radial Type
Terminal Type
Cement Thermal Fusible
Power Wire Wound
Power Flat Alloy

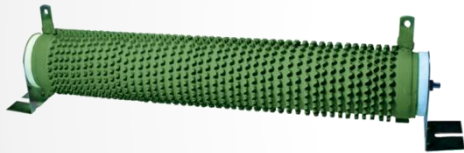
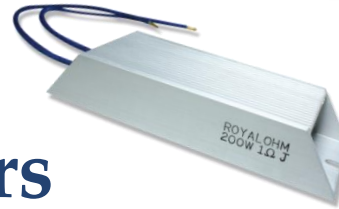


ROYALOHM



Industrial Resistors

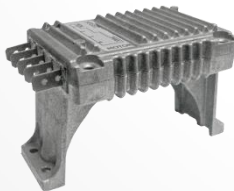
**Aluminum Power Dissipation
Power Ribbon / Flat Wire-wound
Aluminum Case High Power
Thermal Fuse Wire-Wound**



Shunt Resistors



Automotive Resistors



www.royalohm.com



VDE-REG.-Nr. 40003686



VDE-REG.-Nr. A414



KNPU

MGR

MGR

CERTIFICATE OF COMPLIANCE

Certificate Number: 20120302-E306074
 Report Reference: E306074-20081113
 Issue Date: 2012-March-02

Issued to: ROYAL ELECTRONIC FACTORY (THAILAND) CO LTD
 201-2 MOO-2
 Klong-Na Muang
 Chachoengsao 24000 Thailand

This is to certify that representative samples of Fusing Resistors and Temperature-Limited Resistors Fusing Resistor, KNPL1W-S (*)

(*) - Followed by alphabetical characters to represent ratings and packaging. Model may or may not include dashes in its name.

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standards for Safety: UL 1412 - Fusing Resistors and Temperature-Limited Resistors for Radio- and Television- Type Appliances

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Recognized Component Mark should be considered as being covered by UL's Recognition and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark may be used in conjunction with the required Recognized Mark. The Recognized Component Mark is required when specified in the UL Directory preceding the component's entry "Marking" for the individual recognition.

The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL, LLC.

Look for the UL Recognized Component Mark on the product.

VDE Prüf- und Zertifizierungsinstitut

GUTACHTEN MIT FERTIGUNGSÜBERWACHUNG
CERTIFICATE OF CONFORMITY WITH FACTORY SURVEILLANCE

Royal Electronic Pty. (Thailand) Co., Ltd.
 201/2 Moo-2 Klong-Na, Muang
 CHACHOENGSAO 24000
 THAILAND

ist berechtigt, für ihr Produkt / is authorized to use for their product
Feistwiderstand
Fixed resistor

die hier abgebildeten markenrechtlich geschützten Zeichen für die ab Blatt 2 aufgeführten Typen zu benutzen / the legally protected Marks as shown below for the types referred to on page 2 ff.

Geprüft und zertifiziert nach / Tested and certified according to

DN EN 60384 VDE 08802011-16 ab Seite 14.3 N
 DN EN 60384 VDE 08802011-16 ab Seite 14.1 N

Altanerkennung: 580027-4750-0001 / 174926
 File no.:
 Ausweis-Nr.: 40003686 Blatt 1
 Certificate No.:
 Zulassung für Fertigung / Certification No.:
 Zertifizierungs-Nr. / Certification

Offenbach, 2002-10-27
 (letzte Änderung/updated: 2012-10-24)

VDE-Zertifizierung ist gültig bei Vorhandensein einer VDE-Überwachung und wird nur bei dieser ausgestellt.
 VDE certification is valid only when accompanied by VDE surveillance and is only issued when accompanied by VDE surveillance.

CERTIFICATE OF COMPLIANCE

Certificate Number: 20130925-E364163
 Report Reference: E364163-20130910
 Issue Date: 2013-SEPTEMBER-25

Issued to: ROYAL ELECTRONIC FACTORY (THAILAND) CO LTD
 201-2 MOO-2
 KLONG-NA MUANG
 CHACHOENGSAO 24000 THAILAND

This is to certify that representative samples of COMPONENT - CONDUCTIVE-PATH AND DISCHARGE-PATH RESISTORS FOR USE IN RADIO-, VIDEO-, AND TELEVISION TYPE APPLIANCES

See Addendum

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standards for Safety: UL 1876, Conductive-Path and Discharge-Path Resistors for Use in Radio-, Video-, or Television-Type Appliances

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Recognized Component Mark should be considered as being covered by UL's Recognition and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark may be used in conjunction with the required Recognized Mark. The Recognized Component Mark is required when specified in the UL Directory preceding the recognition or under "Marking" for the individual recognition.

Recognized components are recognized in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL, LLC.

Look for the UL Recognized Component Mark on the product.

Certificate of Registration

nqa global assurance

This is to certify that the Environmental Management System of Royal Electronic Factory (Thailand) Co., Ltd. 201-2 Moo 2, T. Klong-Na, A. Muang, Chachoengsao 24000 Thailand

applicable to Design and manufacturing of chip resistors, network resistors and other fixed resistors

has been assessed and registered by NQA against the provisions of BS EN ISO 14001 : 2004

This registration is subject to the company maintaining an environmental management system, to the above standard, which will be monitored by NQA.

Managing Director:

Certificate No: E 1664
 Date: 27 March 2009
 Released: 27 March 2010
 Valid Until: 27 March 2019

ISO/TS 16949

nqa global assurance

This is to certify that the Quality Management System of Royal Electronic Factory (Thailand) Co., Ltd. 201-2 Moo 2, T. Klong-Na, A. Muang, Chachoengsao 24000, Thailand applicable to Design and manufacturing of chip resistors, network resistors and other fixed resistors has been assessed and registered by NQA, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable LU5 5ZX, Bedfordshire, England against the provision of ISO/TS 16949 : 2009

This registration is subject to the company maintaining a quality management system to the above standard, which will be monitored by NQA.

nqa

Certification Director:

NQA Certificate No: T 1854
 IATF Certificate No: 0204396
 Date: 1 March 2015
 Valid Until: 26 February 2018
 Version: 1

Reproduction of the IATF 'globe' logo in any form is strictly prohibited by copyright.

NQA is a wholly owned subsidiary of Bureau Veritas. Registered Office: Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, Bedfordshire, LU5 5ZX. This certificate is the property of NQA and must be returned on request.

nqa global assurance

TS 16949
Registered



Quality Standard

We manufacture in accordance to



JAPANESE INDUSTRIAL STANDARD

and



International Electrotechnical Commission Standard

ROYALOHM



Certified By : **SGS**
CTI



www.royalohm.com

The preferred choice !

Quality
First



Competitive
Pricing

Reliable
Fast Delivery



Reliable
Reputable

Customize
Engineer
Design



Capability



Friendly
Service

Worldwide
Acceptability



Resistor Specialist
39 *Yrs.*



ROYALOHM
ISO/TS 16949 Certified

Thank You !



www.royalohm.com