









The ever increasing presence of electronics in the automotive environment requires a wide diversity of passive components possessing advanced product characteristics and superior reliability.

Car buyers are giving a higher priority to new and more sophisticated consumer and safety solutions, and these require in-vehicle systems of expanding complexity and performance. Examples include radar and camera-based driving aid systems, as well as improved graphical output in infotainment, dashboards and heads-up displays.

Yageo offers a broad portfolio of products designed for automotive applications, and address the latest trends in chassis and safety, driver assistance systems, body and convenience, infotainment, connectivity, security and reliability.



Automotive & Transportation

Chip Resistors

AC Series

Automotive grade thick film (0201 to 2512)



- AEC-Q200 qualified
- Wide terminal available in 0612, 1020, 1225

MLCC —

AC Series Automotive grade



- . Automotive grade
- AEC-Q200 qualified and PPAP ready
- ISO/IATF 16949 certified

Through Hole Resistors

ZCM Series

Metal film, miniature



- MELF type
- 85°C/85H, AEC-Q200 gualified
- Ultra low TCR (15ppm) & narrow . tolerance (0.1%)
- Best in class pulse load capability
- Excellent stability in different environmental conditions

Wireless

GNSS Antenna Ceramic patch antenna



- Various size choices
- SMD/PIN type antenna
- GPS/GLONASS/Beidou supported
- Temperature: -40°C to 105°C
- RoHS compliant & halogen free

PE/PA/PU Series

Metal current sensors (0201 to 2512, 3921, 5931, 8518)



- AEC-Q200 qualified
- Humidity resistance & anti-FOS
- Highest rated power 36 W (600A)

Automotive grade soft termination

AEC-Q200 qualified and PPAP ready

Increased mechanical performance

Flexible termination system

Low ohmic power resistors,

Min. resistance 5mR

AEC-Q200 qualified

Very low inductance

Open frame design

Solderable terminals

Jumper available

AS Series

LPS Series

current sensor

AT Series

Automotive grade thin film high precision high stability (0402 to 1206)



- AEC-Q200 gualified
- Low current noise
- Humidity resistance & anti-FOS

SR Series

High power surge resistance (0402 to 2512)



- AEC-Q200 qualified
- High rated power available
- · Excellent anti-surge and pulse proof capability

Circuit Protection TVS Series

Transient Voltage Suppressors



- Safety certification by UL
- Low dynamic internal resistance, excellent clamping capability
- Fast response speed
- High voltage tolerance

AHB series

Wirewound resistors, high power, aluminum housed, heat sink type



- Reduced size
- Heat sink mounted
- High power rating (up to 500W)
 - Wirewound (max. resistance up to 82Kohm)
 - Corrision-resistant aluminum case

Small size for easy installation

NTAG for pairing application

NFC module for read / write and peer to

Excellent surge performance

NFC/NTAG Module

NFC/NTAG module

GNSS Antenna GPS Internal and external antenna



- Easy installation
- Flexible cable length and connector type
- High gain and high attenuation
- RoHS compliant & halogen free

WLAN/BT/ISM Antenna Chip antenna



- SMD type antenna
- Compact size, small clearance
- Bluetooth, Wifi connectivity
- . RoHS compliant & halogen free
- RoHS compliant & halogen free

peer function

Automotive grade 4-C array

AC-Array Series



- Board space saving
- Time saving during mounting process Reduction in number of solder joints
- Easier PCB design

SQG Series

Power resistor, cement



- High power rating
- Flameproof ceramic case
- AMP contacts





- Operating temperature: -40°C to 105°C

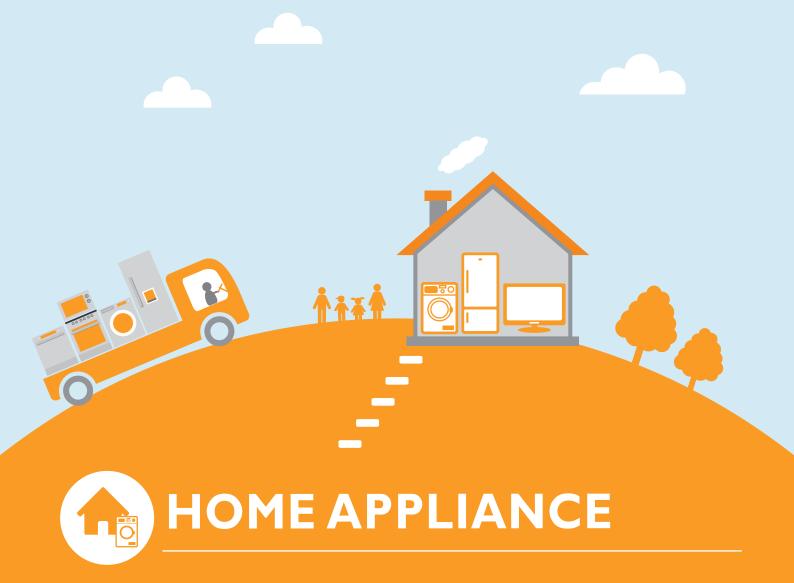




Excellen pulse load capability.







There is a trend of connecting home appliances together, and combining their controls and key functions. By networking all the devices at home, consumers can receive status updates from every home appliance. For example, self-regulating lighting, temperature control and air conditioning, this not only reduces energy consumption but also increases the quality of life.

Additionally, some manufacturers are beginning to place hardware that enables internet connectivity in home appliances to allow for remote control, automation, communication with other devices, new functionality and greater reliability.

The electronics content in home appliances continues to increase, not only to enable more new features and convenience of use, but significantly to save energy. This requires highly reliable electronic components that feature extremely high precision.



Home Appliance

Chip Resistors

RC Series

General purpose thick film (0075 to 2512)



- AEC-Q200 gualified
- Extra small size (0075/ 01005) available

MLCC

CC-HC Series

High capacitance



- Very low ESR and ESL
- Low self heating
- High reliability with no polarity
- RoHS compliant & halogen free

Through Hole Resistors

HHV Series

Metal glazed film resistors, high-voltage & high ohmic



- UL1676 and VDE 0860 certified
- High working voltage up to 7KV
- Max. over load voltage up to 14KV Max. resistance up to 68Mohm
- Flameproof silicone-coated

Wireless

Sub-GHz/ Short-range Antenna WLAN/BT/ISM Antenna Chip antenna

Chip antenna



- SMD type antenna
- Compact size, small clearance
- Bluetooth, Wifi connectivity
- Operating temperature: -40°C to 105°C
- RoHS compliant & halogen free

Circuit Protection

TVS Series

Transient Voltage Suppressors



- Safety certification by UL
- Low dynamic internal resistance. excellent clamping capability
- Fast response speed
- High voltage tolerance .

SR Series

High power surge resistance (0402 to 2512)



RT Series

.

.

(0201 to 2512)

AEC-Q200 qualified

Low current noise

CC-HV Series

Operates at high voltage

Wide case size available

High reliability with no polarity

Over temperature protection

overcurrent conditions

Wide resistance range

withholding capability

Over temperature protection under

Excellent antisurge and pulse load

Semi- short circuit quick fusing

RoHS compliant & halogen free

High voltage

OTP Series

fusible resistors

UL certified

Tight TCR (down to ±5ppm/°C)

Narrow tolerance (down to ±0.01%)

Thin film high precision high stability

- AEC-Q200 qualified High rated power available
 - Excellent anti-surge and pulse proof capability

CC-HCV Series High CV



- High capacitance and high voltage
- Higher energy density
- High reliability with no polarity
- RoHS compliant & halogen free

PNP Series

High reliability

Wirewound resistors, high power, flameproof, ultra miniature



- High power, ultra-miniature Flameproof silicone coated
- Excellent surge performance
- Fully lead-free compliance with no
- RoHS exemptions (7C-1)

SMD type antenna

MOV Series

CSA/ CQC

and symmetric

Metal Oxide Varistors

Fast response speed

Safety certification by UL/ TUV/ VDE/

Good surge energy absorption capability

VBR (Breakdown voltage) is by-directional

Compact size, small clearance

RoHS compliant & halogen free

Operating temperature: -40°C to 105°C

Bluetooth, Wifi connectivity

WLAN/BT/ISM Antenna

PCB antenna



Easy installation

GDT Series

Gas Discharge Tubes

Low junction capacitance

Safety certification by UL/ VDE

Insulation resistance: > 1G Ω , low

degradation speed, high reliability

DC spark-over voltage: 75V ~ 6000V;

- Flexible cable length and connector type
- Operating temperature: -40°C to 105°C
- RoHS compliant & halogen free

PA/PE Series

Metal current sensors (01005 to 2512)



- AEC-Q200 gualified
- Humidity resistance & anti-FOS
- Highest rated power 3W
- Jumper available
 - Wide terminal available in PE0508, 0612, 0815

CC-Class I and Class II (≥0201)

General purpose



- Low ESR
- Suitable for all general purpose .
- High reliability with no polarity
- RoHS compliant & halogen free

SLR Series

Cement resistors, low ohmic, metal plate type



- Low resistance (down to 10mR)
- Double power available
- Flameproof cement case
- Excellent surge performance
- Vertical terminal

NFC/NTAG Module

NFC/NTAG module



- Small Size for easy installation
- NFC module for read / write and peer to peer function
- NTAG for pairing application

NTC Series

Negative Temperature Coefficient Thermistor



- Excellent thermal cycle endurance
- Impulse spark-over voltage: 600 ~ 7800V . Low cost, high stability



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The basic principle of Industry 4.0 is that by connecting machines, work pieces and systems, businesses are creating intelligent networks along the entire value chain that can control each other autonomously.

There are four design principles in Industry 4.0 - interoperability, information transparency, technical assistance and decentralized decisions. These principles present a set of recommendations to the companies in identifying and implementing Industry 4.0 scenarios.

Electronic components play a vital role in the electric circuitry of industrial applications, Yageo's products meet the following requirements: technically advanced, robust and highly reliable, long term performance characteristics and stability.



Industrial

Chip Resistors

AC Series

Automotive grade thick film (0201 to 2512)



- AEC-Q200 qualified
- Wide terminal available in 0612, 1020, 1225

MLCC

AC Series

Automotive grade



- AEC-Q200 gualified and PPAP ready
- ISO/IATF 16949 certified

Through Hole Resistors

AHB Series

Wirewound resistors, high power, aluminum housed, heat sink type

- Reduced size
- Heat sink mounted
- High power rating (up to 500W)
- Wirewound (max. resistance up to 82Kohm)
- Corrision-resistant aluminum caseExcellent surge performance
- Excellent surge perform

Wireless

Sub-GHz/Short-range Antenna

Chip antenna



- SMD type antenna
- Compact size, small clearance
- Lora, Sigfox supported
- Operating temperature: -40°C to 105°C
- RoHS compliant & halogen free

Circuit Protection

TVS Series

Transient Voltage Suppressors



- Safety certification by UL
- Low dynamic internal resistance, excellent clamping capability
- Fast response speed
- High voltage tolerance

PE/PA/PU Series

Metal current sensors (0201 to 2512, 3921, 5931, 8518)



- AEC-Q200 qualified
- Humidity resistance & anti-FOS
- Highest rated power 36 W (600A) Jumper available

CC-HCV Series

High CV



- High capacitance and high voltage
- Higher energy density
- High reliability with no polarity
- RoHS compliant & halogen free

PNP Series

Wirewound resistors, high power, flameproof, ultra miniature



- High reliability
- High power, ultra-miniature
- Flameproof silicone coated Excellent surge performance
- Fully lead-free compliance with no
- RoHS exemptions (7C-1)

WLAN/BT/ISM Antenna

Chip antenna



- Compact size, small clearance Bluetooth, Wifi connectivity
- Operating temperature: -40°C to 105°C
- Operating temperature. -40 C to 1
- RoHS compliant & halogen free

MOV Series

Metal Oxide Varistors



- Fast response speed
- Safety certification by UL/ TUV/ VDE/ CSA/ CQC
- Good surge energy absorption capability
 V_{BR} (Breakdown voltage) is by-directional and symmetric

RT/AT Series





AA Series

Sulfur resistance (0201 to 2512)

AEC-Q200 qualified

Humidity resistance

CS Series

Soft Termination

ATH Series

trapezium type

environments

X2Y

X2Y

.

exemptions (7C-1)

Excellent performance

with single devices

NTC Series

Thermistor

in EMI suppression or decoupling

RoHS compliant & halogen free

Negative Temperature Coefficient

Excellent thermal cycle endurance

Ultra-low equivalent series inductance (ESL)

Provides differential & common mode filtering

Flexible termination system

Anti-FOS (±4% ASTM, 105°C / 750hrs)

Improved resistance to thermal stresses

Increased mechanical performance

RoHS-complaint & halogen-free

Wirewound resistors, high

power, aluminum housed,

Excellent surge performance

High power rating (up to 1800W)

Wirewound (max. resistance up to 35Kohm)

Corrision-resistant aluminum case for severe

Fully lead-free compliance with no RoHS

- AEC-Q200 qualified
- Low current noise
- Tight TCR (down to ±5ppm/°C)
- Narrow tolerance (down to ±0.01%)

CC-HV Series

High voltage

- Operates at high voltage
- Wide case size available
- High reliability with no polarity
- RoHS compliant & halogen free

CRP Series

Precision wirewound resistors, pulse version

Flame retardant coating

- High pulse load up to 6KV
- Narrow tolerance ±0.5%
- Z bending form for SMD
- RoHS compliant

WLAN/BT/ISM Antenna

PCB antenna



Easy installation

GDT Series

-

Gas Discharge Tubes

Low junction capacitance

Safety certification by UL/ VDE

Insulation resistance: > 1G Ω , low

degradation speed, high reliability

DC spark-over voltage: 75V ~ 6000V;

Impulse spark-over voltage: 600 ~ 7800V . Low cost, high stability

- Flexible cable length and connector type
- Operating temperature: -40°C to 105°C
- RoHS compliant & halogen free





OF INTERNET OF THINGS

IoT ("Internet of Things") has now been a buzz word for several years. It refers to the network of physical devices, vehicles, home appliances, and other items embedded with electronics, software, sensors, and connectivity which enables these things to connect, collect and exchange data.

A growing portion of IoT devices are created for consumer & commercial use, such as: smart home, wearable devices, medical & healthcare and appliances with remote monitoring capabilities. It is also for industrial applications like: transportation and manufacturing.

IoT creates opportunities for more direct integration of the physical world into computer-based systems, resulting in efficiency improvements, economic benefits, and reduced human exertions. Yageo provides various products to meet this "smart" trend.



Internet of Things

Chip Resistors

RT Series

Thin film high precision high stability (0201 to 2512)



- AEC-Q200 gualified
- Low current noise
- Tight TCR (down to ±5ppm/°C)
- Narrow tolerance (down to ±0.01%)

MLCC

.

CC-HC Series

High capacitance



- . Low self heating
- High reliability with no polarity RoHS compliant & halogen free

Through Hole Resistors

FKN Series

Wirewound resistors, fusible, flameproof



- UI 1412 certified
- Fusing time < 60 seconds for 25/36 times of rated power
- Excellent surge performance

Wireless

Sub-GHz/Short-range Antenna

Chip antenna



- SMD type antenna
- Compact size, small clearance
- Lora, Sigfox supported
- Operating temperature: -40°C to 105°C
- RoHS compliant & halogen free

Circuit Protection

TVS Series

Transient Voltage Suppressors



- Safety certification by UL
- Low dynamic internal resistance, excellent clamping capability
- Fast response speed
- High voltage tolerance

PA/PE Series

Metal current sensors (01005 to 2512)



- Humidity resistance & anti-FOS
- Highest rated power 3W
- Jumper available

CQ Series

High frequency

CST Series

HiQ and low ESR in

Wide terminal available in PE0508, 0612, 0815

VHF, UHF and microwave frequency bands

BME process with copper inner electrodes

Tight tolerance (min. ±0.05pF)

High reliability with no polarity

SMD EBW current sensor

AEC-Q200 qualified

High current capability

Low inductance

Chip antenna

ESD Series

Electrostatic Discharge

Low capacitance (under 1pF)

design for different capacitance,

Low clamping voltage

High design flexibility, provide customized

configuration, pulse load capability...etc.

Protection Devices

.

Heavy copper connections

WLAN/BT/ISM Antenna

Compact size, small clearance

RoHS compliant & halogen free

Operating temperature: -40°C to 105°C

Bluetooth, Wifi connectivity

SMD type antenna

Suitable for PCB/IMS substrate

SR Series

(0402 to 2512)



High power surge resistance

- High rated power available
- Excellent anti-surge and pulse proof capability

RC Series

General purpose thick film (0075 to 2512)



AEC-Q200 qualified

General purpose

Low ESR

MMF Series

Miniaturization MELF type AEC-Q200 qualified

tolerance (0.1%)

WWAN Antenna

SMD type antenna

Compact size, small clearance

RoHS compliant & halogen free

Operating temperature: -40°C to 105°C

900/1800Mhz or Quad band

Chip antenna

.

Extra small size (0075/ 01005) available

CC-Class I and Class II (≥0201)

Suitable for all general purpose

High reliability with no polarity

Metal film resistors, MELF

RoHS compliant & halogen free

Ultra low TCR (15ppm) & narrow

Best in class pulse load capability

Excellent stability in different

environmental conditions

CL Series Low inductance

- Low ESL capacitor
- For high frequency decoupling applications

LPS Series

Low ohmic power resistors, current sensor



- Solderable terminals

WLAN/BT/ISM Antenna



Easy installation

GDT Series

Gas Discharge Tubes

Low junction capacitance

Safety certification by UL/ VDE

Insulation resistance: > 1G Ω , low

degradation speed, high reliability

DC spark-over voltage: 75V ~ 6000V;

Impulse spark-over voltage: 600 ~ 7800V

- Flexible cable length and connector type
- Operating temperature: -40°C to 85°C
- RoHS compliant & halogen free

SPG Series

SPark Gap Protectors



- Safety certification by UL
- Low junction capacitance
- Insulation resistance: > $100M\Omega$, low aging speed, high reliability
- Non-polarized
- . DC spark-over voltage: 140V ~ 5000V





- Very low inductance
- Open frame design

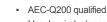








Min. resistance 5mR











POWER

& ENERGY

As people are more conscious about environmental conservation, and sustainability becomes an ethical norm, in a global growing trend, the demand for clean, renewable energy is on the rise.

The fundamental challenge, especially for electricity supply, is applying them to meet demand given their variable and diffuse nature. To achieve this goal, technologies need to be employed which efficiently supply power to the consumers at a competitive price. The renewable resources like wind, solar and nuclear are the main contenders.

Yageo keeps pace with the growing demand, our highly reliable components can be applied in smart meters to be accurately and consistently ticking away the energy usage in homes, business and schools.



Power & Energy

Chip Resistors

RT Series

Thin film high precision high stability (0201 to 2512)



- AEC-Q200 qualified
- Low current noise
- Tight TCR (down to ±5ppm/°C)
- Narrow tolerance (down to ±0.01%)

MLCC

CC-HCV Series

High CV



- High capacitance and high voltage
- Higher energy density
- High reliability with no polarity
- RoHS compliant & halogen free

Through Hole Resistors

HHV Series

Metal glazed film resistors, high-voltage & high ohmic



- High working voltage up to 7KV
- Max. over load voltage up to 14KV
- Max. resistance up to 68Mohm
- Flameproof silicone-coated

Wireless

Sub-GHz/Short-range Antenna

Chip antenna



- SMD type antenna
- Compact size, small clearance
 Lora Sigfor supported
- Lora, Sigfox supported
- Operating temperature: -40°C to 105°C
 RoHS compliant & halogen free

Circuit Protection

TVS Series

Transient Voltage Suppressors



- Safety certification by UL
- Low dynamic internal resistance, excellent clamping capability
- Fast response speed
- High voltage tolerance

PE/PA/PU Series

Metal current sensors (0201 to 2512, 3921, 5931, 8518)



- AEC-Q200 qualified
- Humidity resistance & anti-FOS
- Highest rated power 36 W (600A)
- Jumper available

CS Series

Soft Termination



- Improved resistance to thermal stresses
- Increased mechanical performance
- RoHS compliant & halogen free
- Konto compliant a halogon noo

AHP Series

Power wirewound resistors, aluminum housed, straight leadwire style



- Wirewound (max. resistance up to 33Kohm)
- Corrision-resistant aluminum case
- Excellent surge performance

WLAN/BT/ISM Antenna

Chip antenna



- Compact size, small clearance Bluetooth, Wifi connectivity
- Bidelootri, will connectivity
 Operating temperature: 40°C to 1
- Operating temperature: -40°C to 105°C
 Bold Compliant & belonce for
- RoHS compliant & halogen free

MOV Series

Metal Oxide Varistors

Oxide Varistors



- Safety certification by UL/ TUV/ VDE/ CSA/ CQC
- Good surge energy absorption capability
 V_{BR} (Breakdown voltage) is by-directional and symmetric

RV Series High voltage (0603 to 2512)



- AEC-Q200 qualified
- High maximum working voltage
- IEC62368-1 certified

CC-HV Series

High voltage

Operates at high voltage

- Wide case size available
- High reliability with no polarity
- RoHS compliant & halogen free

ATC Series

Wirewound resistors, high power, aluminum housed, compact size



- Compact size
- Power up to 200W
- Corrision-resistant aluminum case
- Excellent surge performance

WLAN/BT/ISM Antenna PCB antenna



Easy installation

GDT Series

.

Gas Discharge Tubes

Low junction capacitance

Safety certification by UL/ VDE

Insulation resistance: > 1G Ω , low

degradation speed, high reliability

DC spark-over voltage: 75V ~ 6000V;

Impulse spark-over voltage: 600 ~ 7800V

- Flexible cable length and connector type
- Operating temperature: -40°C to 105°C
- RoHS compliant & halogen free

SR Series

High power surge resistance (0402 to 2512)

AEC-Q200 gualified

CA Series

4-C Array

- High rated power available

Board space saving

Easier PCB design

Over temperature protection

overcurrent conditions

Wide resistance range

withholding capability

Excellent performance

filtering with single devices

PPTC Series

Resettable

value

Coefficient Thermistor

RoHS compliant & halogen free

Polymeric Positive Temperature

Safety certification by UL/ TUV

Low response speed (few dozen ms to few

seconds level), it is proportional to the current

PPTC has very low resistance under normal

working status, no impact on the working circuit.

in EMI suppression or decoupling

Provides differential & common mode

Ultra-low equivalent series inductance (ESL)

Over temperature protection under

Excellent antisurge and pulse load

Semi- short circuit quick fusing

OTP Series

fusible resistors

UL certified

X2Y

X2Y

- Excellent anti-surge and pulse proof capability

Time saving during mounting process

Reduction in number of solder joints



TELECOMMUNICATIONS

Telecommunications is the collection of technologies, devices, facilities, networks, and applications that support communication at a distance. The range of telecommunications applications is broad and includes telephony and video conferencing, e-mail, broadcast and interactive television, instant messaging, a host of Internet-based communication, and data transmission.

The fifth generation of wireless technology, the successor to 4G LTE, has been touted as a path to faster Internet connections. It promises lightning-fast speed, low latency, and the capacity to carry massive numbers of connections simultaneously. Not surprisingly, the forthcoming arrival of 5G is creating a buzz in both the industry and the wider world.

Emerging technologies and digital transformation initiatives open up the opportunities to Yageo to develop robust products and introduce innovative services.



Telecommunications

Chip Resistors

AA Series

Sulfur resistance (0201 to 2512)



- AEC-Q200 gualified
- Humidity resistance -
- Anti-FOS (±4% ASTM, 105°C/750hrs)

MLCC

.

CC-HC Series

High capacitance

Very low ESR and ESL

High reliability with no polarity

Wirewound resistors, fusible,

Fusing time < 60 seconds for

25/36 times of rated power

Excellent surge performance

RoHS compliant & halogen free

Low self heating

FKN Series

flameproof





HiQ and low ESR in

PA/PE Series

(01005 to 2512)

Metal current sensors

AEC-Q200 qualified

Jumper available

0612.0815

Highest rated power 3W

Humidity resistance & anti-FOS

Wide terminal available in PE0508,

- VHF, UHF and microwave frequency bands
- BME process with copper inner electrodes Tight tolerance (min. ±0.05pF)
- High reliability with no polarity
- **Through Hole Resistors**

FAE Series

Wirewound resistors, fusible & anti-explosion



- UI 1412 certified
 - Safety, anti-explosion
 - Fusible function, overload cut off
 - Excellent surge performance

Wireless

UL1412 certified

WLAN/BT/ISM Antenna

Chip antenna



- SMD type antenna
- Compact size, small clearance
- Bluetooth, Wifi connectivity
- Operating temperature: -40°C to 105°C
- RoHS compliant & halogen free

Circuit Protection

TVS Series

Transient Voltage Suppressors



- Safety certification by UL
- Low dynamic internal resistance, excellent clamping voltage
- Fast response speed
- High voltage tolerance

WWAN Antenna

PCB antenna



- Easy installation
- Flexible cable length and connector type
- Operating temperature: -40°C to 85°C
- RoHS compliant & halogen free

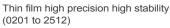
TSS Series

Thyristor Surge Suppressors



- Safety certification by UL
- Low junction capacitance Fast response speed
- Low leak current, only mA to 100uA level

RT/AT Series





AEC-Q200 gualified

CL Series

Low inductance

Low ESL capacitor

applications

LPS Series

current sensor

For high frequency decoupling

Low ohmic power resistors,

Min_resistance 5mR

AEC-Q200 qualified

Very low inductance

Open frame design

Solderable terminals

- Low current noise Tight TCR (down to ±5ppm/°C)
- Narrow tolerance (down to ±0.01%)

SR Series

High power surge resistance (0402 to 2512)



- AEC-Q200 qualified
- High rated power available
- Excellent anti-surge and pulse proof capability

CC-HV Series

High voltage

- Operates at high voltage =
- Wide case size available
- High reliability with no polarity
- RoHS compliant & halogen free

RWI Series

Anti-pulse power wirewound resistor

- 3W compact size
- Suitable for automatic pick and place
- All welded connection
- Epoxy molded encapsulation
- Supreme inrush current capability
- Pulse capability customization available

External Antenna

External Antenna



- High gain, low profile
 - Support 2.4/5 GHz WiFi, Pentabands, LTE bands
- Outline tooling available, with SMA or cable/ipex

PPTC Series

Resettable

Polymeric Positive Temperature Coefficient Thermistor

- Safety certification by UL/ TUV
- Low response speed (few dozen ms to few seconds level), it is proportional to the current value
- PPTC has very low resistance under normal working status, no impact on the working circuit.



Easy installation

GDT Series Gas Discharge Tubes

- Flexible cable length and connector type
- High gain and high attenuation RoHS compliant & halogen free

Low junction capacitance

Safety certification by UL/ VDE

Insulation resistance: > 1G Ω , low

degradation speed, high reliability

DC spark-over voltage: 75V ~ 6000V;

Impulse spark-over voltage: 600 ~ 7800V