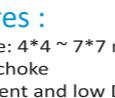
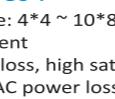
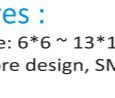
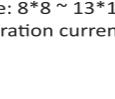
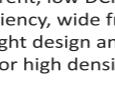
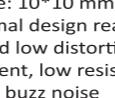
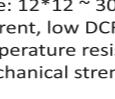
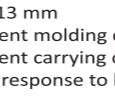


Automotive Solutions

Power Inductor Solutions

	Features : Size : 2.5*2 mm Molding chip power inductor	Applications : PMIC, infotainment
	Features : Size range: 4*4 ~ 7*7 mm Molding choke High current and low DCR	Applications : High efficiency DC-DC power converter
	Features : Size range: 4*4 ~ 10*8 mm High current Low DCR loss, high saturation current and low AC power loss	Applications : DC-DC power converter Class-D audio power amplifier
	Features : Size range: 6*6 ~ 13*12 mm Ferrite core design, SMD type	Applications : DC-DC power converter Class-D audio power amplifier
	Features : Size range: 8*8 ~ 13*11 mm High saturation current Low DCR	Applications : Class-D audio power amplifier
	Features : Size range: 9*9 ~ 12*11 mm Large current, low DCR, low loss High efficiency, wide frequency Light-weight design and space-saving, suitable for high density SMT	Applications : PC, NB, LCD monitor, PDA Server system, motherboard, graphic card PDL, DC-DC power converter, LED driver Motor control system, DC-DC power converter
	Features : Size range: 10*10 mm The optimal design realizes high quality sound and low distortion High current, low resistance Ultra-low buzz noise	Applications : High efficiency DC-DC power converter Class-D audio power amplifier
	Features : Size range: 12*12 ~ 30*30 mm Large current, low DCR, low temperature rise High temperature resistance, good mechanical strength	Applications : LED driver Diesel injection driver DC-DC power converter Engine and transmission control unit Motor control system
	Features : Size: 13*13 mm High current molding choke High current carrying capacity Excellent response to harmonic distortion	Applications : Class D audio power amplifier High power DC-DC power converter Automobile audio/video/lighting TV audio amplifier

Automotive Solutions

EMI Solutions - Common Mode Choke

	Features : Size range: 3.3*2.5 mm Common mode choke for Signal line IEC 62228-3 CLASS III Noise rejection	Applications : Ethernet for Flex ray, CAN bus, CAN FD
	Features : Size range: 7*6 ~ 15*13 mm Common mode choke for Power line High frequency and high impedance	Applications : Automotive power line & multimedia

Automotive Solutions

LAN Transformer

	Features : Wide operating temperature and excellent reliability IEEE802.3u (10/100 Base-T) or IEEE802.3ab (1000 Base-T) IEEE802.3af or IEEE802.3at 10/100/1000 Power over Ethernet	Applications : Power train control module Battery management, ECU Infotainment, ADAS Safety, Air bag, ABS, TPMS, parking sensor Radar, CCD
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LEADING PASSIVE SOLUTIONS

— PRODUCT OVERVIEW —

- ▶ **Power Solutions**
 - Power Inductor
 - RF Inductor
 - EMI/CMC
 - LAN Transformer
- ▶ **EMI Solutions**
 - Chip Bead
 - Common Mode Choke
- ▶ **RF Solutions**
 - Antenna
 - LTCC Component
- ▶ **Resistor**
 - Thin Film
 - Thick Film
 - Metal Alloy
- ▶ **LAN Transformer**
 - AEC-Q200 Compliant

HILISIN
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Networking

Power Inductor Solutions



Features:

- Size range: 1.6*0.8 ~ 2.5*2 mm
- Multilayer (low profile)
- Monolithic ferrite core
- High current, low DCR

RF Inductor Solutions



Features:

- Size range: 4*6 mm
- High Q and ultra high current

RF Solutions - Antenna



Features:

- Easy installation, low cost and light-weight
- Wide bandwidth and Omni-directional
- Customized specification available

Applications :

- Power module
- DC-DC power converter



Features:

- Base Station
- LNA & LNB
- Satellite

Applications :

- Bluetooth, wireless router, STB & home digital
- ISM band, Lora, Sigfox, LTE, NB-IOT, GPS, WiFi and car use

Features:

- Small size, low-profile and light-weight
- Wide bandwidth and Omni-directional
- Support Dip-type, SMD and Co-axial cable connecting
- Customized specification available

Applications :

- Bluetooth, wireless router, STB & home digital
- ISM band, Lora, Sigfox, LTE, NB-IOT, GPS, WiFi and car use

RF Solutions - LTCC Component



Features:

- Size range: 1*0.5 ~ 2.5*2 mm
- Low insertion loss
- High attenuation

Applications :

- Bluetooth, WLAN
- LTE, WiFi, GPS

LAN Transformer



Type:

- Single port 100/1G/2.5G/5G/10G Base-T(SMD/DIP)
- Dual port 100/1G/2.5G/5G/10G Base-T(SMD/DIP)
- Quad port 1G/2.5G/5G/10G Base-T(DIP)

Features :

- 802.3bz/802.3af/IEEE802.3at
- Ethernet & Power over Ethernet
- Better noise rejection

Applications :

- RJ-45

Thick Film - Anti-Sulfur Chip Resistor



Features:

- Size range: 0.6*0.3 ~ 6.3*3.2 mm
- Anti-sulfur characteristic
- High reliability and stability
- Applied to all kinds of SMT process
- Sulfur resistant capability (ASTM-B-809-95 & EIA-977)

Applications :

- Industrial facility
- Electricity/ Internet application
- High end computer and multi-media electronic product

Computing

Power Inductor Solutions



Features :

- Size range: 2*1.6 ~ 8*8 mm
- Low profile < 1 mm
- Magnetic powder resin shielded
- Wide inductance range

Applications :

- Smartphone, tablet and wearable devices
- STB, AP Router
- DC-DC power converter
- Game console

Power Inductor Solutions



Features :

- Size range: 4*4 ~ 10*7 mm
- High speed, high current switch mode applications at lower inductance
- Gapped ferrite cores for maximum efficiency
- Customized specifications available

Applications :

- Voltage regulator modules (VRMs) for server, microprocessor
- High frequency, high current switching power supplies

Power Inductor Solutions



Features :

- Size range: 1.6*1.6 ~ 1.6*3.2 mm
- Tight tolerance (0.5%, 1%, 5% available)
- High-temperature performance (up to +170 °C)
- Low temperature coefficients (TCR, 50ppm/°C available)
- High-current handling capability (BC4E>31.6A/BC4C>233A/BC4H>17A)
- A wide resistance range (1 to 25mΩ)
- High power density

Applications :

- Smartphone, tablet and wearable devices
- STB, AP Router
- DC-DC power converter
- Game console

Power Inductor Solutions



Features :

- Size range: 0.85*1.6 ~ 1.6*3.2 mm
- Tight tolerance (0.5%, 1%, 5% available)
- Current detection for CPU
- Test equipment
- LED driver
- Battery pack, DC-DC power converter

Applications :

- Various types of power supplies
- RF choke in cellular bands
- High SRF, low DCR, superior Q value
- As band stop, low loss/ one-pole filter

Power Inductor Solutions



Features :

- Size range: 0.5*0.4 ~ 4*3 mm
- RF choke in cellular bands
- High SRF, low DCR, superior Q value
- As band stop, low loss/ one-pole filter

Applications :

- Smartphone
- Base station, WLAN
- Security system
- Cable modem, STB, CATV filter/tuner

Computing

Metal Alloy - 4 Terminal Resistor



Features :

- Size range: 0.85*1.6 ~ 1.6*3.2 mm
- Tight tolerance (0.5%, 1%, 5% available)
- High-temperature performance (up to +170 °C)
- Low temperature coefficients (TCR, 50ppm/°C available)
- High-current handling capability (BC4E>31.6A/BC4C>233A/BC4H>17A)
- A wide resistance range (1 to 25mΩ)
- High power density

Applications :

- Smartphone, tablet and wearable devices
- STB, AP Router
- DC-DC power converter
- Game console

Thick Film - Fully Lead-free Chip Resistor



Features :

- Size range: 1.6*1.6 ~ 1.6*3.2 mm
- Fully lead-free, RoHS compliant
- For general purpose
- Applied to all kinds of SMT process

Applications :

- Computer, NB, motherboard, telecom
- Consumer electrical equipment, digital camera
- Battery charger, DC-DC power converter

Thick Film - Fully Lead-free Chip Resistor



Features :

- Size range: 0.6*0.3 ~ 1.6*0.8 mm
- Multilayer, ceramic core
- Excellent Q factor
- Tight tolerance

Applications :

- RF matching circuit, choke
- Bluetooth, WLAN, UWB, radar detector

Thick Film - Fully Lead-free Chip Resistor



Features :

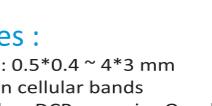
- Size range: 0.6*0.3 ~ 1.6*0.8 mm
- Multilayer, ceramic core
- Excellent Q factor
- Tight tolerance

Applications :

- Filter
- Smartphone
- Digital TV tuner
- Matching network, WLAN, Bluetooth

Mobile and Wearable Device

RF Inductor Solutions



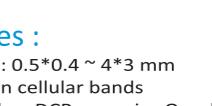
Applications :

- Smartphone
- Base station, WLAN
- Security system
- Cable modem, STB, CATV filter/tuner

Features :

- Size range: 0.5*0.4 ~ 4*3 mm
- RF choke in cellular bands
- High SRF, low DCR, superior Q value
- As band stop, low loss/ one-pole filter

RF Inductor Solutions



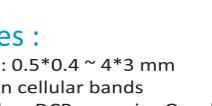
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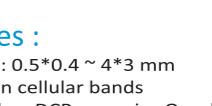
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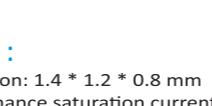


Applications :

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- Matching network, WLAN, Bluetooth

Mobile and Wearable Device

Power Inductor Solutions



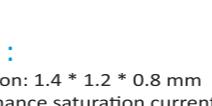
Features :

- Minimization: 1.4 * 1.2 * 0.8 mm
- High performance saturation current realized
- Low coil resistance

Applications :

- Smartphone, wearable devices

Power Inductor Solutions



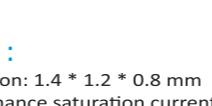
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Power Inductor Solutions



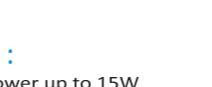
Features :

- Minimization: 1.4 * 1.2 * 0.8 mm
- High performance saturation current realized
- Low coil resistance

Applications :

- Smartphone, wearable devices

Wireless Power Transfer



Features :

- Maximum power up to 15W
- Qi compliant (Tx Coil)
- Slim type coil (Rx Coil)
- Higher transfer efficiency

Applications :

- Smartphone, wearable devices
- Waterproof product
- Bluetooth earphone box

Wireless Power Transfer



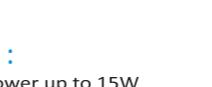
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Wireless Power Transfer



Features :

- Support Apple & Samsung fast charging mode
- Support 15W max Rx Qi module
- Compliant with WPC 1.2X
- Fixed accurate 127.7KHz frequency

Applications :

- Smartphone
- Portable, waterproof product
- Game console

Wireless Power Transfer



Features :

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