PRODUCT OVERVIEW

Power Solutions
- Power Inductor
- Wireless Power Transfer

EMI Solutions
- Chip Bead
- Common Mode Choke

RF Solutions
- RF Inductor
- Antenna
- LTCC Component

Resistor
- Thin Film
- Thick Film
- Metal Alloy

LAN Transformer

Automotive Solutions
- AEC-Q200 Compliant

CHILISIN

ESTABLISHED SINCE 1972

Networking

Power Inductor Solutions

5G

BKPx

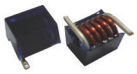
Features:

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

Applications :

- Power module
- DC-DC power converter

RF Inductor Solutions



BWSM
Spring Air Core inductor

Features:

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

Applications :

- Base Station
- LNA & LNB
- Satellite

RF Solutions - Antenna

WiFi6

BTEA

Dipole Patch

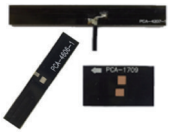
Features:

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

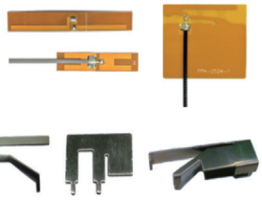
Applications :

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

WiFi6



BTPA
Chip/PCB



BTFA
FPC

BTMA
Stamping

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

5G

WiFi6

BTLD/BTLB/BTLL/BTLU/BTLT

Diplexer Band Pass Filter Low Pass Filter

Features:

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

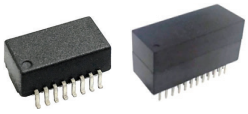
Applications :

- Bluetooth, WLAN
- LTE, WiFi, GPS

LAN Transformer

5G

WiFi6



BXRT
SMD Type

BXRT
DIP Type

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

BCTS
General

BCSR
High Precision

BCSV
High Voltage

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)

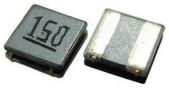
Applications :

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

Computing

Power Inductor Solutions

5G



BWVx

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

BPMx

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

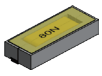
BMNx/BMMx

Features :

- Size range: 4*4 ~ 17*17 mm
- High current & low DCR

Applications :

- PMIC
- DC-DC power converter



BPED

Features :

- Size range: 10*3.8 mm
- Low profile
- No thermal aging
- High current saturation, no temperature dependency

Applications :

- Data center & Server V-core
- FPGA, VGA GPU V-core

BFDI

BP3Y

Features :

- Size range: 13*12 ~ 30*30 mm
- Operating temperature -40℃ to 125℃
- Large current, high energy storage
- Low loss

Applications :

- LCD monitor
- PDA
- DT & NB motherboard, graphic card, POL
- DC-DC power converter for infotainment, navigation system

EMI Solutions - Bead

BBSY/BBNQ
BBPY/BBFY

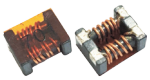
Features :

- Size range: 0.6*0.3 ~ 4.5*3.2 mm
- Multilayer chip bead
- Monolithic ferrite core
- Diversified impedance curve

Applications :

- High speed signal line
- For power line under 1GHz

EMI Solutions - Common Mode Choke



BPPM

Features :

- Size range: 7*6 ~ 15*13 mm
- Common mode choke for Power line
- High frequency
- Wide impedance range (70~3000Ω)

Applications :

- Modem, router, HUB, STB
- PC, LVDs, graphic card

Computing

Metal Alloy - 4 Terminal Resistor

BC4C/BC4E/BC4H
Low-Resistance

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/ ℃ available)
- High-current handling capability (BC4E>31.6A/BC4C>233A/BC4H>17A)
- A wide resistance range (1 to 25mΩ)
- High power density

Applications :

- Various types of power supplies
- Current detection for CPU
- Test equipment
- LED driver
- Battery pack, DC-DC power converter

Thick Film - Fully Lead-free Chip Resistor

BCTF/BCCF

BCFH
High power

BCFE
Super high power

BCFW
Wide terminal

BCFG
Anti-surge/
Pulse proof

Features :

- Size range: 1.6*3.2 ~ 6.3*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

Mobile and Wearable Device

Power Inductor Solutions

BEBE

Features :

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

Applications :

- Smartphone, wearable devices

Wireless Power Transfer

Tx Coil
WPC standard

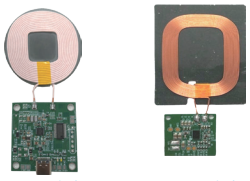
Rx Coil
Customized

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



Tx Module

Rx Module

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

Mobile and Wearable Device

RF Inductor Solutions

BWCS BWLS

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

BSCH BSCQ

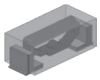
Features :

- 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

WiFi6



BSPQ

Features :

- Miniaturization: 0.6*0.3 mm
- Thin film
- Ag photolithography
- Higher Q factor > 20 @500MHz
- Tight tolerance

Applications :

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

RF Solutions - Antenna

BTCA

Features :

- Size range: 1.6*0.8 ~ 8*1 mm
- Monolithic SMD, low-profile and light-weight
- Wide bandwidth
- Customized specification available

Applications :

- Bluetooth, WLAN, home RF, GPS
- ISM band 2.4G application, 4G LTE, WiFi

Automotive Solutions

EMI Solutions - Common Mode Choke

AWCU

Features :

- Size range: 3.3*2.5 mm
- Common mode choke for Signal line
- IEC 62228-3 CLASS III
- Noise rejection

Applications :

- Ethernet for Felx ray, CAN bus, CAN FD

APPM

Features :

- Size range: 7*6 ~ 15*13 mm
- Common mode choke for Power line
- High frequency and high impedance

Applications :

- Automotive power line & multimedia

LAN Transformer

AXRT

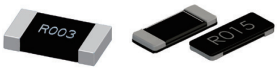
Features :

- 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

Metal Alloy - Metal Strip Current Sensor



ACRC/ACRE
ACRH/ACRS

Features :

- Size range: 2*1.2 ~ 11*6.8 mm
- AEC-Q200 compliant
- T.C.R ±25ppm/ C available
- Wide resistance range (0 ~ 300mΩ)
- High surge power

Applications :

- Computer, NB, motherboard
- Mobile phone, telecom
- Concumer charger, DC-DC power converter
- Electric vehicle

Thin Film Resistor

ACTX
Chip Resistor

Features :

- Size range: 1*0.5 ~ 3.05*1.5 mm
- Small size and light weight
- High reliability and stability
- Lower assembly cost
- Applied to all kinds of SMT process

Applications :

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

Thick Film Resistor

ACTA/ACTG/ACTH/ACTR
ACHH/ACTW/ACTV/ACTS
Chip Resistor

ACAD
Array Resistor

Features :

- Size range: 0.6*0.3 ~ 6.3*3.2 mm
- AEC-Q200 compliant
- Highly reliable electrode construction
- Compatible with all soldering processes
- Highly stable in auto-placement surface mounting application

Applications :

- All general purpose
- Electric vehicle and industrial application

Automotive Solutions

Power Inductor Solutions

ADHE/ADMA

Features :
- Size : 2.5*2 mm
- Molding chip power inductor

Applications :
- PMIC, infotainment

AMNx

Features :
- Size range: 4*4 ~ 7*7 mm
- Molding choke
- High current and low DCR

Applications :
- High efficiency DC-DC power converter

APMI

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

APCT

Features :
- Size range: 6*6 ~ 13*12 mm
- Ferrite core design, SMD type

Applications :
- DC-DC power converter
- Class-D audio power amplifier

APCK

Features :
- Size range: 8*8 ~ 13*11 mm
- High saturation current
- Low DCR

Applications :
- Class-D audio power amplifier

AFSI

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
- POL, DC-DC power converter, LED driver
- Motor control system, DC-DC power converter

AMDU

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

AFDI

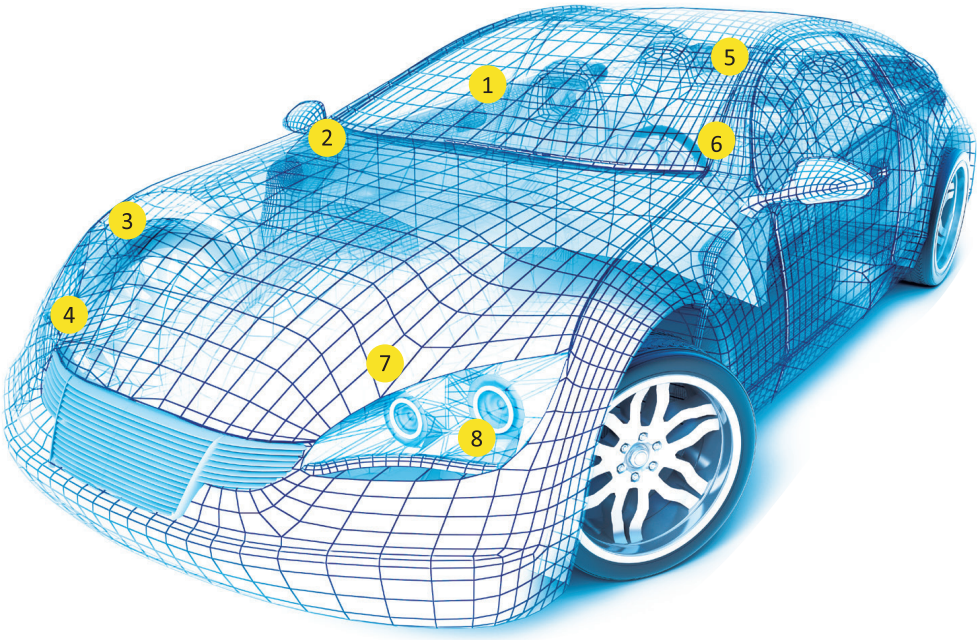
Features :
- Size range: 12*12 ~ 30*30 mm
- Large current, low DCR, low temperature rise
- High temperature resistance, good mechanical strength

Applications :
- LED driver
- Diesel injection driver
- DC-DC power converter
- Engine and transmission control unit
- Motor control system

AMHS

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



1 GPS/DVBT/BT/WiFi/FM/GSM

- RF Inductor
- Antenna
- EMI/CMC

2 Body Electronics

- Power Inductor
- RF Inductor
- EMI/Bead
- EMI/CMC
- Current Sensor & Resistor
- LAN Transformer

3 Powertrain

- Power Inductor
- RF Inductor
- EMI/Bead
- EMI/CMC
- Current Sensor & Resistor

4 ADAS

- Power Inductor
- RF Inductor
- EMI/Bead
- EMI/CMC
- Current Sensor & Resistor
- LAN Transformer

5 Ethernet Phy

- Power Inductor
- RF Inductor
- EMI/Bead
- EMI/CMC
- LAN Transformer

6 Infotainment

- Power Inductor
- RF Inductor
- EMI/Bead
- EMI/CMC
- Current Sensor & Resistor
- LAN Transformer

7 ECU

- Power Inductor
- EMI/CMC
- LAN Transformer

8 Lighting

- Power Inductor
- EMI/Bead
- EMI/CMC
- Current Sensor & Resistor

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