



# RECEIVER UNITS, BUZZERS & Speakers

## 1 Receiver units:

- ⊖ Low acoustic impedance application
- ⊖ Size:  $\varnothing$  8 -  $\varnothing$  50mm
- ⊖ Impedance: 4 - 500  $\Omega$
- ⊖ All of our receiver units can be changed according to customer's demand

## Speakers:

- ⊖ Size: 13 - 50mm
- ⊖ Impedance: 4 - 16  $\Omega$

## Dual mode speakers:

- ⊖ 1 or 2 voice coils

## 2 Buzzers:

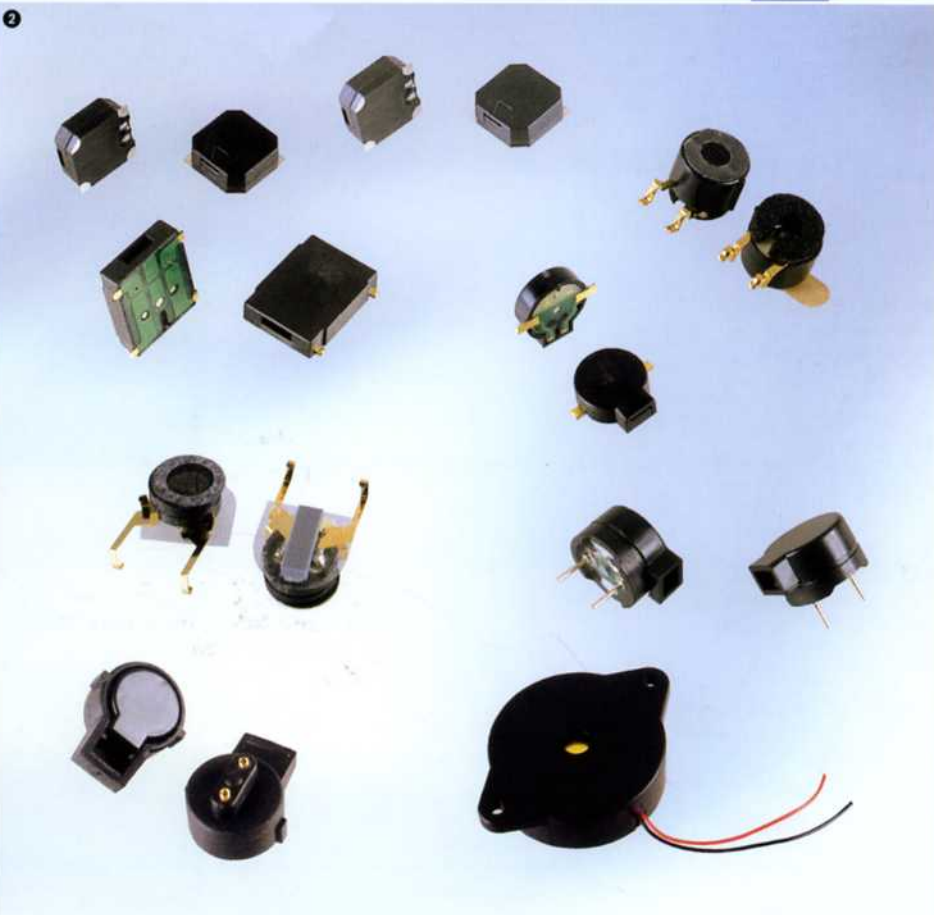
- ⊖ Magnetic transducers/buzzers SMD/pin style
- ⊖ Piezo transducers/buzzers SMD/pin style
- ⊖ Size from 7.5x7.5 mm high 2.6mm
- ⊖ All of our buzzers can be changed according to customer's demand

## Sirens:

- ⊖ Alarm systems for fire and burglary
- ⊖ Back-up alert for farming vehicles and automotive alarms
- ⊖ Sirens for all branches of industry

## 3 Speaker accessories:

- ⊖ Impedance: 4 - 32  $\Omega$
- ⊖ Built in types for handsfree





# MICROPHONES & Boots

## 1 Pre-amp microphones:

- ⊙ Omni- /Uni directional
- ⊙ Size:  $\varnothing 6 \times 2.2\text{mm}$  and  $\varnothing 6 \times 2.7\text{mm}$

## Back electret type:

- ⊙ Omni- /Uni- /Bi-directional
- ⊙ Size:  $\varnothing 4 \times 1.5\text{mm}$ ,  $\varnothing 6 \times 1.1\text{mm}$ ,  $\varnothing 6 \times 1.3\text{mm}$ ,  $\varnothing 6 \times 1.5\text{mm}$ ,  $\varnothing 6 \times 1.8\text{mm}$ ,  $\varnothing 6 \times 2.2\text{mm}$  and  $\varnothing 6 \times 2.7\text{mm}$
- ⊙ Continual developing of smaller size
- ⊙ Pin type, lead wire type and solderless types
- ⊙ Built in capacitor according to customer's demand 4.7pF, 10pF, 33pF

## 2 Foil electret type:

- ⊙ Omni-directional
- ⊙ Size from  $\varnothing 6 \times 3.6\text{mm}$  to  $9.7 \times 6.5\text{mm}$
- ⊙ Pin type and lead wire type
- ⊙ Built in capacitor according to customer's demand

## 3 Boots: (rubber boots)

- ⊙ Different mounting solutions for solderless microphones
- ⊙ Design according to customer's demand
- ⊙ Zebra connector, dot connector, pogo pins, spring connector, elastomer connector etc.





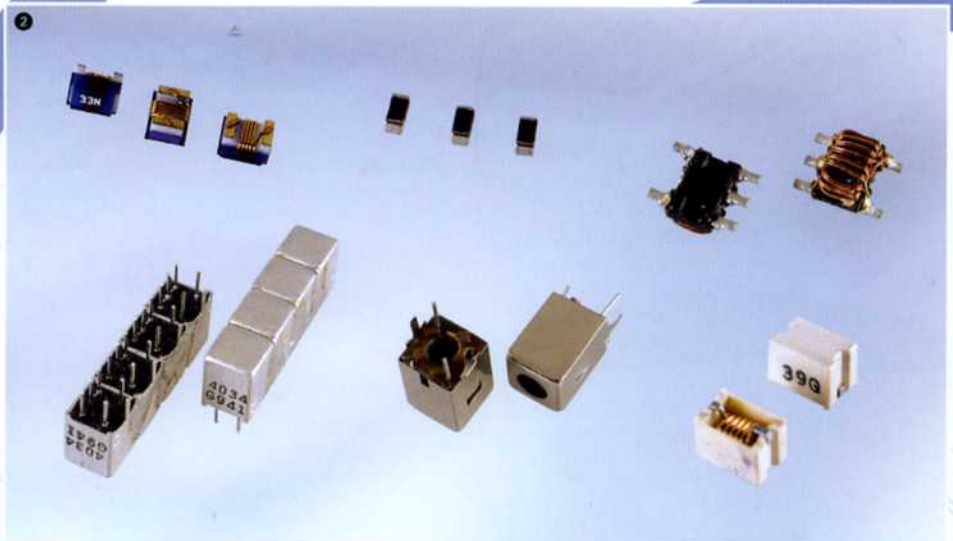
# INDUCTORS & HF COILS

More compact, more accurate  
and better technology.

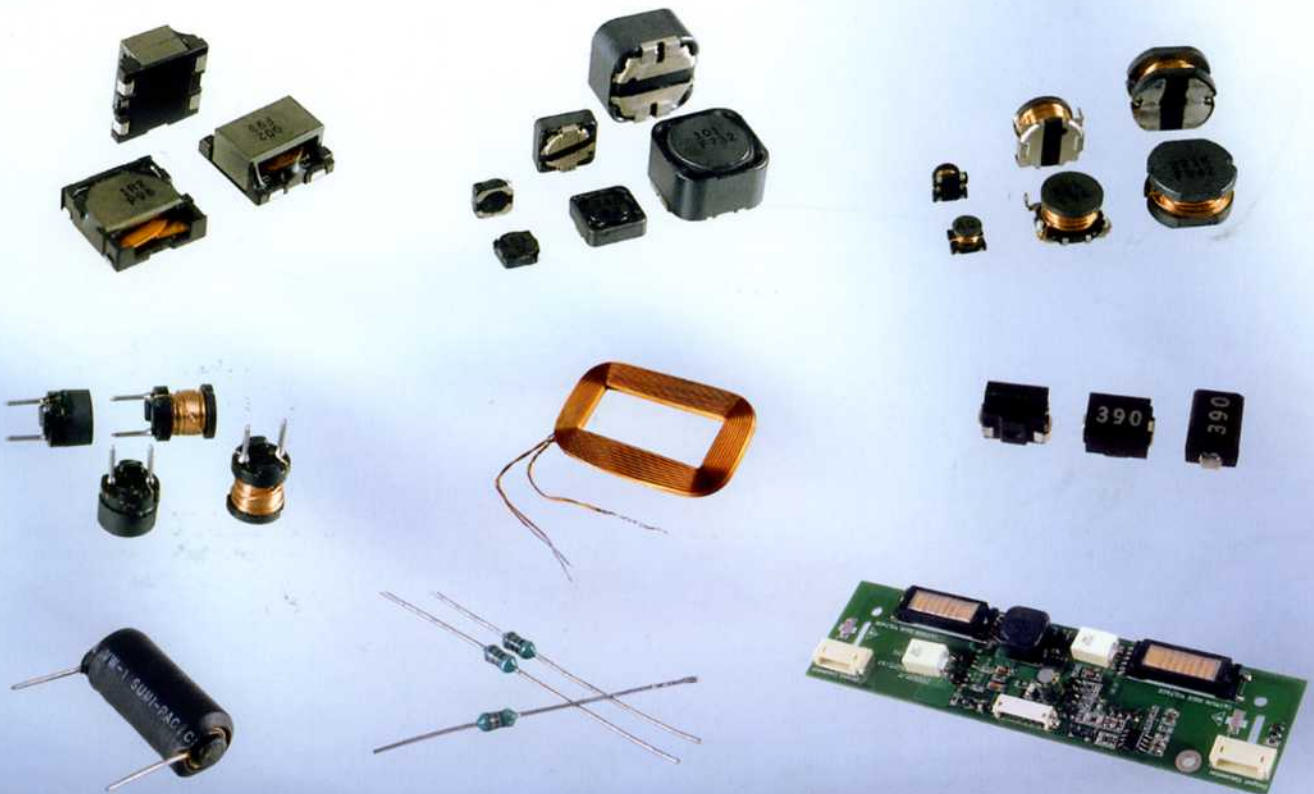
Custom designs are very welcome.

From our standard program  
we can offer:

- 1
- ⊙ SMD power inductors
  - For DC/DC converters
  - Shielded and open coils
- ⊙ Pin style power inductors
  - For DC/DC converters
- ⊙ Air coils
- ⊙ EMI coils
- 2
- ⊙ Wound chip inductors
  - Size from 0603 to 1812
  - Drum core encapsulated
- ⊙ Balun coils/transformers
  - SMD and pin style
- ⊙ IFT coils / RF coils
  - Trimmer and fixed coils



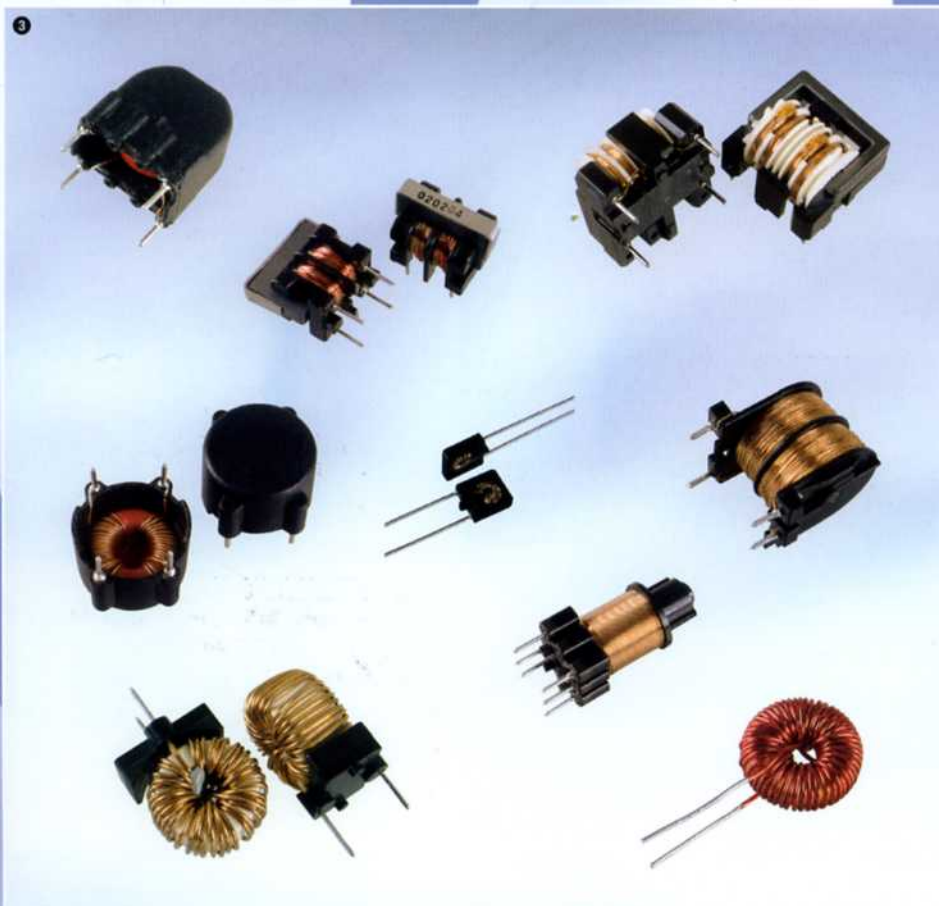
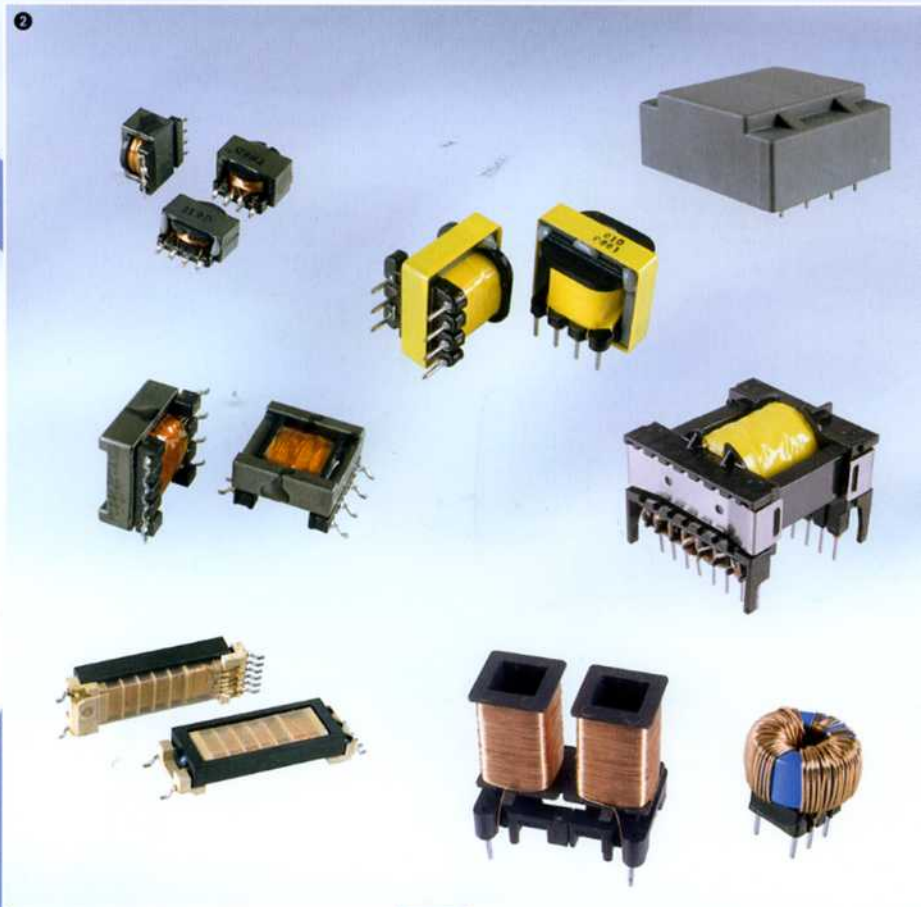
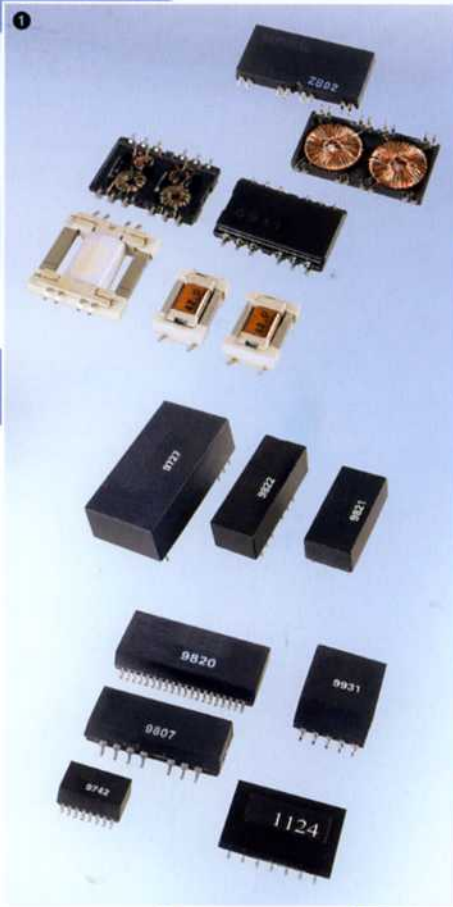
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# SWITCH MODE TRANSFORMERS

## Linefilters & Network Transformers



High quality and competitive pricing

### 1 Network transformers:

- ⊙ Pulse transformers
- ⊙ Signal line filters
- ⊙ Isolation transformers for:
  - ISDN applications
  - Ethernet applications 10/100Base T
  - Token ring applications

### 2 Switch mode transformers:

- ⊙ Custom designs are very welcome
- ⊙ SMD, power from 0.28W to 50W
- ⊙ Pin style up to 350W
- ⊙ Switching frequency up to 1MHz
- ⊙ Core: Toroidal, EI, Drum, RM etc.

### 3 Line filters:

- ⊙ Toroidal, UU-core
- ⊙ SMD and pin style

### EMI coils:

- ⊙ Core: Toroidal and drum
- 50/60Hz transformer
- ⊙ Core: Toroidal, EE, EI

