

The Challenge Never Ends!

# About SAMWHA



## History

### 1950's~1960's

- **Dec.1969** Awarded Commendation of the Minister of Commerce and Industry at the 6th 'Export Day' (amount of exports: \$220,000)
- **Dec.1969** Awarded President's Commendation for Contribution to Export and Industry
- **Apr.1969** Begins Korea's first mass-production of ceramic capacitors (Supplies to GoldStar Co., etc.)
- **Jan.1969** Begins mass-production of high-tension 40,000KVA capacitors (First supplier to Korea Electric Power Corporation)
- **Sep.1968** Exports Korea's first electrolytic capacitors to Japan (\$48,500)
- **Aug.1968** Changes the company name to Samwha Capacitor Industry Co.
- **Aug.1968** Begins mass-production of high-tension 70,000KVA capacitors (First supplier to Korea Electric Power Corporation)
- **May.1966** Localizes radio parts for Dongnam Electronics
- **Jan.1966** Begins Korea's first mass-production of high-tension 22,000V static capacitors (Supplies to Korea Electric Power Corporation)
- **Jul.1965** Begins Korea's first mass-production of electrolytic / oil tubular capacitors
- **Apr.1964** Begins Korea's first mass-production of capacitors for machinery (Supplies to GoldStart Co., Pungsung Electronics, KT)
- **Sep.1963** Begins Korea's first mass-production of Power capacitors (Supplies to Korea Electric Power Corporation)
- **Dec.1960** Launches technical partnership with Japan Capacitor Group
- **Dec.1960** Changes company name to Samwha Electric
- **Aug.1956** Establishes Ohan Industry (CEO: Oh, Dongsun)

### 1970's

- **Mar.1979** Samwha Electric Co. is awarded 'Iron Tower Industry Medal' at the 13th Tax Day (No. 455)
- **Jul.1978** Develops material-mixture technology for small-type Ferrite Core for IFT production
- **Jun.1978** Begins mass-production of FBT Ferrite Core
- **Jul.1977** Develops material-mixture technology for Antenna Ferrite Core production
- **Feb.1977** Begins Korea's first mass-production of DY. Ferrite Core (Supplies to Samsung Electronic Parts Co., Taihan Electric Wire Co., and GoldStar Inc.)
- **Jul.1976** Develops low-tension static capacitors of 480-380V class NF type / NG type
- **Jun.1976** Samwha Capacitor goes public
- **Apr.1976** Establishes Samwha Electronics Co., Ltd.
- **Nov.1974** Renames Samwha Nichicon to Samwha Electric Co., Ltd.
- **Dec.1973** Exceeds \$1,000,000 in export (begins exports to Australia and South African Republic)
- **Dec.1973** Establishes Samwha Nichicon
- **Jan.1973** Develops Korea's first Polg Rso Pgieme dielectric-applied NEF high-tension static capacitors
- **Jan.1973** Develops Korea's first PCB nonflammable insulating oil translate applied static capacitors
- **Apr.1971** Awarded Commendation of the Minister of Commerce and Industry (for export)
- **Jul.1970** Awarded Commendation of the Prime Minister (for labor welfare and industry peace)
- **Mar.1970** Korea's first exporter of electrolytic/ceramic capacitors (Japan and Hong Kong)

## 1980's

- **Sep.1989** Samwha Electric establishes Research Institute
- **Apr.1989** Establishes Samwha Chemical Co., Ltd.
- **Nov.1988** Samwha Electric Co. awarded 'Iron Tower Prize for \$50,000,000 Export' at the 25th Export Day
- **Jun.1988** Samwha Electronics establishes Research Institute
- **May.1987** Samwha Electronics goes public
- **Feb.1987** Samwha Capacitor establishes Research Institute
- **Nov.1986** Samwha Electric goes public
- **Apr.1986** Establishes Korea JCC Co., Ltd.
- **Nov.1985** Samwha Electric Co. awarded 'Iron Tower Prize for \$20,000,000 Export' at the 22th Export Day
- **Jun.1985** Begins mass-production of multilayer capacitors
- **Apr.1985** Begins mass-production of Ferrite Core for VTR
- **Feb.1985** Begins Korea's first mass-production of MLCC (Monoly Chip Multilayer Ceramic Capacitor) with original technology
- **Oct.1983** Establishes Samwha Trading Co., Ltd.
- **Oct.1981** Establishes Samwha Enterprise Co., Ltd.
- **Jun.1981** Samwha Electric Co. awarded President's Commendation for Contribution to Industrial Development



## 1990's

- **Oct.1999** Begins mass-production of FT capacitors
- **Sep.1999** Begins mass-production of Chip Varistor
- **Aug.1999** Awarded the President's Medal for contribution to national industrial development through 100PPM quality innovation
- **Nov.1997** Establishes Samwha Thailand Co., Ltd.
- **Sep.1997** Establishes Samwha USA Inc.
- **Feb.1997** Establishes PT.SAMCON
- **Nov.1996** Awarded the President's Prize for \$100,000,000 Export
- **Nov.1996** Awarded Silver Prize in the National Quality Management Tournament
- **Dec.1995** Qingdao Samwha Electronics Wongun Agency
- **Mar.1995** Establishes Tianjin Samyoung International Trade Agency
- **Feb.1995** Daesung Electronics Industry renames Samwha Tecom
- **Feb.1994** Acquires Samwha Capacitor Group CI (and establishes the symbol)
- **Jun.1993** Establishes Tianjin Samwha Electric Co., Ltd.
- **May.1993** Acquires Daesung Electronics Industry Co.
- **Jun.1992** Establishes Samwon Industry
- **Mar.1991** Establishes PT. Samwha Indonesia
- **Nov.1990** Awarded President's Medal for Industry (No. 2295)
- **Jan.1990** Begins mass-production of EMI Filters

## 2000's

- **Nov.2009** Establishes Samwha India Energy Savings Pvt. Ltd.
- **Aug.2009** Establishes Samwha Hungary Kft.
- **Aug.2007** Establishes Samwha Poland Sp. Z o.o.
- **Mar.2002** Establishes Samwha Hongkong Co., Ltd.
- **May.2001** Establishes Samwha Europe GmbH
- **Dec.2000** Establishes Qingdao Samwha Electronics Co., Ltd.
- **Apr.2000** Begins mass-production of Peaking Inductor
- **Jan.2000** Begins mass-production of Chip Inductor

# COMPANY ADDRESS

## ▶ Samwha Capacitor Group

**Driving**

Pusan → Kyungbu Freeway(toward Seoul) →  
Right on Banpo IC → 1.7km on Bongeunsaro →  
Left on Cha Hospital Crossway → 1.8km on  
Nonhyenro → 50m past Eulji Hospital Crossway →  
**Samyoung Bldg. (Samwha Capacitor Group)**

**By Subway**

Apgujung Station Exit #3(Line 3) → 800m toward  
Eulji Hospital → Turn left and walk 50m →  
**Samyoung Bldg. (Samwha Capacitor Group)**



# SAMWHA PRODUCTS

## MLCC

[e-Catalogue >](#)



- Multilayer Ceramic Capacitor
- Radial MLCC
- Axial MLCC

## DCC

[e-Catalogue >](#)



- Disc Ceramic Capacitor

## EMI Filter

[e-Catalogue >](#)



- LC Filter
- Radial Bead Filter
- Axial Bead Filter

## Bead & Inductor

[e-Catalogue >](#)



- Chip Ferrite Bead
- Chip Ferrite Inductor
- Chip Power Inductor

## Varistor

[e-Catalogue >](#)



- Disc Varistor

## Power Capacitor

[e-Catalogue >](#)




- High Voltage Power Capacitor
- Low Voltage Power Capacitor
- Power Electronics Capacitor

## Chip Ferrite Beads

### › Chip Ferrite Bead

| Applications         | Appearance   | Series  | Materials     | Impedance [ $\Omega$ ] | Rated current [A] | e-Catalog            |
|----------------------|--|---------|---------------|------------------------|-------------------|----------------------|
| For Signal Line      |   | CB1005G | A, K, J, M, V | 5 - 1000               | 0.05 - 1.00       | <a href="#">VIEW</a> |
|                      |  | CB1608G |               | 5 - 1500               | 0.15 - 1.00       |                      |
|                      |  | CB2012G |               | 5 - 2000               | 0.15 - 1.00       |                      |
|                      |  | CB3216G |               | 35 - 1000              | 0.20 - 0.90       |                      |
| For Power Line       |   | CB1608P | A, K, J, M, V | 10 - 180               | 1.00 - 2.00       | <a href="#">VIEW</a> |
|                      |  | CB2012P |               | 11 - 2000              | 1.00 - 3.00       |                      |
|                      |  | CB3216P |               | 31 - 600               | 1.00 - 3.00       |                      |
| For Ultra Power Line |  | CB1608U | A, K, J, M, V | 30 - 120               | 3.00 - 6.00       | <a href="#">VIEW</a> |
|                      |  | CB2012U |               |                        |                   |                      |
|                      |  | CB3216U |               |                        |                   |                      |

### › Chip Bead Array


| Applications    | Appearance  | Series  | Materials     | Impedance [ $\Omega$ ] | Rated current [A] | e-Catalog            |
|-----------------|---|---------|---------------|------------------------|-------------------|----------------------|
| For Signal Line |  | CBA3216 | A, K, J, M, V | 30 - 1000              | 0.10 - 0.40       | <a href="#">VIEW</a> |

## Beads Filter/EMI series


### ▸ Bead Filter

| Applications    | Appearance  | Type   | Insulation<br>[at DC 100v, MΩ] | Impedance [Ω] | Rated current [A] | e-Catalog            |
|-----------------|---|--------|--------------------------------|---------------|-------------------|----------------------|
| For Signal Line |  | Radial | 1.0                            | 31 – 520      | 3.0 – 6.0         | <a href="#">VIEW</a> |
| For Signal Line |  | Axial  | 1.0                            | 31 – 520      | 3.0 – 6.0         | <a href="#">VIEW</a> |

### ▸ EMI Series

| Applications       | Appearance   | Series  | Circuit | Cut-off<br>Frequency<br>[MHz] | DC<br>Resistance<br>max. [Ω] | Rated<br>current<br>max. [A] | Insulation<br>Resistance<br>min. [MΩ] | e-Catalog            |
|--------------------|--|---------|---------|-------------------------------|------------------------------|------------------------------|---------------------------------------|----------------------|
| For Signal<br>Line |  | CFL1608 | T-type  | 30 – 150                      | 1.0                          | 100                          | 100                                   | <a href="#">VIEW</a> |

### ▸ EMI Series (Array)

| Applications       | Appearance  | Series  | Circuit | Cut-off<br>Frequency<br>[MHz] | DC<br>Resistance<br>max. [Ω] | Rated<br>current<br>max. [A] | Insulation<br>Resistance<br>min. [MΩ] | e-Catalog            |
|--------------------|---|---------|---------|-------------------------------|------------------------------|------------------------------|---------------------------------------|----------------------|
| For Signal<br>Line |  | CAL2010 | PI-type | 50 – 400                      | 1.0                          | 100                          | 100                                   | <a href="#">VIEW</a> |