

# Research Report On China's Electronic Components and Devices Industry

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## Abstracts

Since 1990s, electronic information industry has become the section with the fastest growth in China's national economy. What's more, the importance of electronic components & devices manufacture also drew growing attention and now becomes the foundational section for supporting the development of electronic information industry. According to the Stat. result made by National Bureau of Statistics of China, the gross industrial output value of China now ranks the third in the world which is next only to America and Japan. The manufacturing industry of electronic components & devices has already fused in the world electronic industry division system and the foreign trade of the products presents a characteristic of international economy of "large import & large export".

According to the data released by National Bureau of Statistics of China, the total export value of China electronic products is USD 364 billion in the year 2006, of which USD 84.77 billion is contributed by the export of electronic components & devices which takes 23.3% of the total as well as a 41.7% increase over the same period of the precious year. The total import value is USD287.7 of which USD 138.683 billion, 48.2% of the total, goes to electronic components & devices with an increase of 29.5% over the same period of the previous year. It can be judged from the above that electronic components & devices are the dominating imported electronic products for China with a ratio of 1.64:1 of import to export. This probes that China has become a large consumer of electronic components & devices.

Judging from the composing of the imported products, integrated circuits and semiconductor schismatic components are important imported products, which take about 87% of the gross import value of electronic components & devices. Although domestic industry of electronic components & devices grows very fast because of the

influence of the macro economy of China, high-end products still rely on import for the reason of underdeveloped R&D ability and producing technology.

The coming seven to ten years is a key period of time for the upgrade and replacement of electronic techniques and products for both the outside world as well as China. The high speed development of information technology, the growing consumption crowd, steady increasing consumption needs and capacity in China will all benefit in the increase of consuming demand for electronic components & devices. If the prediction of Ministry of Commerce can be taken into consideration, the import of electronic products will keep its increasing pace of 23.0% in 2007, which means the import value is expected to be around USD 170.6 billion.

Judging from the location of the main consuming regions, the Pearl Delta, the Yangtze Delta and Bohai Rim, as the three main manufacture bases of electronic components & devices, are the main consuming regions.

The Pearl Delta, which is centered by Shenzhen, Dongguan, Zhongshan and Huizhou, is a labor-intensive base for export processing and assembling as well as the main manufacturing place for electronic products of consumption, computer parts and some whole machine of computers; the Yangtze Delta, pointed by Shanghai, Suzhou and Nanjing, is mainly made up by large or medium sized enterprises, of which Shanghai has formed a complete industrial chain in semiconductors including chip manufacture, design, packaging testing, equipment installation and supported services; while Suzhou is the production base in China for important electronic primary materials, computers and related products etc. The Bohai rim composed mainly by Beijing, Tianjin, Qingdao, Dalian and Jinan are currently devoted in the R&D and production of products of communication, software and household appliances etc. and is now the dominant center for electronic products and the major application market for integrated circuit in China.

For the main consumers, because electronic components & devices are the needed raw materials for electronic products, manufacturers in electronic products industry are the main consumers.

Although some adverse elements for oversea electronic components & devices to enter China market do exist, the enormous market requirements for imported electronic components & devices can not be changed. It is predicted that in the coming seven to ten years, imported electronic components & devices will keep the competitive advantages and will expand to the low-end market while keeping the share in the high-

end market.

## Contents

### **CHAPTER 1 PRODUCT DEFINITION**

- 1.1 Product definition
- 1.2 Product classification
- 1.3 Products concerned

### **CHAPTER 2 OVERVIEW OF CHINA ELECTRONIC COMPONENTS & DEVICES MARKET**

- 2.1 Introduction of current domestic macroeconomic circumstance
- 2.2 The domestic development situation for electronic components & devices industry in 2006
- 2.3 Prediction on the increasing potential of domestic electronic components & devices market in the future

### **CHAPTER 3 INTRODUCTION ON THE DOMESTIC INDUSTRIAL ENVIRONMENT**

- 3.1 Industrial policy on electronic components & devices
- 3.2 Relative laws and regulations
- 3.3 Foreign cooperative agreement
  - 3.3.1 China-Pakistan Free Trade Agreement
  - 3.3.2 Asia-Pacific Trade Agreement
  - 3.3.3 Addis Ababa Action Plan Subscribed between China and Africa
  - 3.3.4 Agreement on Trade in Goods of China-ASEAN Trade Area
  - 3.3.5 Mainland and Hong Kong Closer Economic Partnership Arrangement (CEPA) and Mainland and Macao Closer Economic Partnership Arrangement
  - 3.3.6 China-Chile Free Trade Agreement
- 3.4 Prediction on policy trend

### **CHAPTER 4 OVERVIEW OF THE IMPORT SITUATION OF ELECTRONIC COMPONENT PRODUCTS**

### **CHAPTER 5 ANALYSIS ON THE IMPORT TRENDS OF SUBDIVIDED PRODUCTS OF ELECTRONIC COMPONENTS & DEVICES**

- 5.1 Electrical transformers, static convertors and inductors
- 5.2 Radio broadcasting and television, television cameras; digital cameras and video

camera recorders

5.3 Electrical capacitors, fixed, variable or adjustable (pre-set)

5.4 Diodes, transistors and similar semiconductor devices; photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light emitting diodes; mounted piezo-electric crystals (referred to as semiconductor devices)

5.5 Integrated circuit

## **CHAPTER 6 ANALYSIS ON THE EXPORT SITUATION OF CHINA ELECTRONIC COMPONENTS & DEVICES IN THE PAST YEARS**

6.1 Export change of electronic components & devices of China and its reasons

6.2 Main destinations of China exported electronic components & devices

6.3 Main origins of China exported electronic components & device

## **CHAPTER 7 TAX BURDEN STATUS OF IMPORTED PRODUCTS**

7.1 Import tariff

7.2 Value-added tax

7.3 Consumption tax

## **CHAPTER 8 INSPECTION AND QUARANTINE AND STANDARD SYSTEM**

8.1 Inspection and quarantine procedure of imported electronic components & devices

8.2 Main test standards

8.3 Main test indexes

8.3.1 Requirements for concentration limits for certain hazardous substances in electronic information products(sj/t 11363-2006)

8.3.2 Testing methods for hazardous substances in electronic information products(sj/t 11365-2006)

8.3.3 Marking for the control of pollution caused by electronic information products

8.4 Related standards for electronic components & devices

8.5 Main administrative organizations

## **CHAPTER 9 FLOW FOR IMPORTING ELECTRONIC COMPONENTS & DEVICES**

9.1 flow for importing electronic components & devices into China

9.2 instructions for the flow figure for importing electronic components & devices into China

## **CHAPTER 10 COMPETITIVE SITUATION IN DOMESTIC ELECTRONIC COMPONENTS & DEVICES MARKET**

- 10.1 Analysis on the concentration ratio of sales income of enterprises
- 10.2 Analysis on the concentration ratio of sales income by regions
- 10.3 Status of imported electronic components & devices in domestic market
- 10.4 Introduction to the top ten major manufacturers
  - 10.4.1 Shanghai Feilo CO., LTD
  - 10.4.2 Hengtong Group
  - 10.4.3 Etern Group INC
  - 10.4.4 Zhejiang Fuchunjiang Communications Group CO., LTD.
  - 10.4.5 Tongguang Group CO., LTD.
  - 10.4.6 Xiamen TDK CO., LTD.
  - 10.4.7 Futong Group CO., LTD.
  - 10.4.8 Hengdian Group Dmegc Magnetics CO., LTD.
  - 10.4.9 Hualun Group
  - 10.4.10 Tianjin Zenmay Electro-Acoustic Equipment CO., LTD.
- 10.5 Distribution map of the quantity of above-scaled corporations in China

## **CHAPTER 11 ANALYSIS ON PRODUCT SALES CHANNEL**

- 11.1 Main sale channels of domestic electronic components & devices
- 11.2 Graph of domestic electronic components & devices sale channel
- 11.3 Analysis on main domestic sale channels of electronic components & devices
  - 11.3.1 Professional electronic trade markets
  - 11.3.2 Authorized distributors and independent distributors
  - 11.3.3 Online sales

## **CHAPTER 12 ANALYSIS ON ENTRY INTO CHINA MARKET**

- 12.1 Analysis on the characteristics of domestic consumers of electronic components & devices
- 12.2 Analysis on the time of entering into market
- 12.3 Analysis on the non-tariff barriers against the entry into China market
- 12.4 Main conclusions and suggestions

## **CHAPTER 13 ASSOCIATION CONCERNED OF ELECTRONIC COMPONENT INDUSTRY**

## CHAPTER 14 INFORMATION OF MAIN EXHIBITIONS IN 2007

### APPENDIX

- I. Detailed Products Types Listed Under the Hs-Code
- II. The Category of Products Concerned
- III. Duty Rates For Electronic Components & Devices
- IV. Recommended Standards Concerned For Electronic Components & Devices

### REFERENCE

### GRAPH CONTENT

**Graph 1** Changes in the Import Value of China Imported Electronic Component & Device Products in 2002-2006

**Graph 2** The Imported Rates That Subdivided Products of Electronic Components & Devices Take Up in the Year 2006 (Unit: USD)

**Graph 3** Trend of the Import Value of Electrical Transformers, Static Converters And Inductors in 2002-2006

**Graph 4** Top 10 Origins of China Imported Electrical Transformers, Static Converters And Inductors in 2006 (By Import Value)

**Graph 5** Trend of Main Origins of China Imported Electrical Transformers, Static Converters And Inductors in the Past Years

**Graph 6** Top 10 Destinations With the Highest Import Value of China Imported Electrical Transformers, Static Converters And Inductors in 2006

**Graph 7** Trend of the Import Value of China Imported Electrical Transformers, Static Converters And Inductors in Main Destinations in the Past Years

**Graph 8** Trend of the Import Value of Radio-Broadcasting, Television, Television Cameras; Digital Cameras And Video Camera Recorders in 2002-2006

**Graph 9** Top 10 Origins of China Imported Radio-Broadcasting, Television, Television Cameras; Digital Cameras And Video Camera Recorders in 2006 (By Import Value)

**Graph 10** Trend of Main Origins of China Imported Radio-Broadcasting, Television, Television Cameras; Digital Cameras And Video Camera Recorders in the Past Years

**Graph 11** Top Ten Destinations With the Highest Import Value of China Imported Radio-Broadcasting, Television, Television Cameras; Digital Cameras And Video Camera Recorders in 2006

**Graph 12** Trend of Import Value of China Imported Radio-Broadcasting, Television, Television Cameras; Digital Cameras And Video Camera Recorders in the Past Years



**Graph 13** Trend of Import Value of Electrical Capacitors, Fixed, Variable or Adjustable (Pre-Set)

**Graph 14** Top Ten Origins of China Imported Electrical Capacitors, Fixed, Variable or Adjustable (Pre-Set) in 2006

**Graph 15** Trend of the Main Origins of China Imported Electrical Capacitors, Fixed, Variable or Adjustable (Pre-Set)

**Graph 16** Top Ten Flow Destinations With the Highest Import Value of China Imported Electrical Capacitors, Fixed, Variable or Adjustable (Pre-Set) in 2006

**Graph 17** Trend of Import Value of China Imported Electrical Capacitors, Fixed, Variable or Adjustable (Pre-Set) in the Past Years (Unit: USD)

**Graph 18** Trend of Import Value of Semiconductor Devices in 2002-2006

**Graph 19** Top Ten Origins of China Imported Semiconductor Devices in 2006 (By Import Value)

**Graph 20** Trend of Main Origins of China Imported Semiconductor Devices

**Graph 21** Top Ten Destinations With the Highest Import Value of China Imported Semiconductor Devices (By Import Value)

**Graph 22** Trend of Import Value of Main Destinations of China Imported Semiconductor Devices (Usd)

**Graph 23** Trend of Import Value of Integrated Circuit in 2002-2006

**Graph 24** Top Ten Origins of China Imported Integrated Circuit in 2006 (By Import Value)

**Graph 25** Trend of the Main Origins of China Imported Integrated Circuit in the Past Years

**Graph 26** Top Ten Main Destinations With the Highest Import Value of China Imported Integrated Circuit in 2006

**Graph 27** Trend of the Import Value of Main Destinations For China Imported Integrated Circuit

**Graph 28** Trend of China Exported Electronic Components And Devices in 2002-2006

**Graph 29** the Export Rates That the Subdivided Products of Electronic Components & Devices Take Up in 2006

**Graph 30** Top Ten Destinations of China Exported Electronic Components & Devices (By Export Value)

**Graph 31** Main Origins of China Exported Electronic Components & Devices in 2006

**Graph 32** Samples of Pollution Control Signs For Electronic Information Products

**Graph 33** Flow Figure For Importing Electronic Components & Devices

**Graph 34** Proportion of the Sales of Ten Major Corporations To the Sum of All the Above-Scale Enterprises in the Industry

**Graph 35** Proportion of the Sales of Top Ten Regions To the Sum of All the Above-



Scale Enterprises

**Graph 36** Distribution Map of the Quantity of Large-Scaled Corporations in China

**Graph 37** Graph of Domestic Electronic Components & Devices Sale Channel

## TABLE CONTENT

**Table 1** Category of Electronic Components & Devices

**Table 2** Import Value And Growth Rate of Imported Electronic Component Products in 2002-2006 (Unit: USD)

**Table 3** Import Value And Growth Rate of Electrical Transformers, Static Converters And Inductors in 2002-2006

**Table 4** Top 10 Origins of China Imported Electrical Transformers, Static Converters And Inductors And the Respective Annual Growth in the Past Years (By Import Value, Unit: USD)

**Table 5** Top 10 Destinations With the Highest Import Value of China Imported Electrical Transformers, Static Converters And Inductors in 2006, the Import Value And Growth Rate in the Past Years (Unit: USD)

**Table 6** The Import Value And Growth Rate of China Imported Radio- Broadcasting, Television, Television Cameras; Digital Cameras And Video Camera Recorders in 2002-2006 (Unit: USD)

**Table 7** Top 10 Origins of China Imported Radio-Broadcasting, Television, Television Cameras; Digital Cameras And Video Camera Recorders And the Respective Annual Growth in the Past Years (By Import Value, Unit: USD)

**Table 8** Top Ten Destinations With the Highest Import Value of China Imported Radio-Broadcasting, Television, Television Cameras; Digital Cameras And Video Camera Recorders in 2006, the Import Values And Growth Rates in the Past Years (Unit: USD)

**Table 9** The Import Value And Growth Rate of Imported Electrical Capacitors, Fixed, Variable or Adjustable (Pre-Set) in 2002-2006

**Table 10** Top Ten Origins of China Imported Electrical Capacitors, Fixed, Variable or Adjustable (Pre-Set) in 2006 And the Respective Annual Growth Rate in the Past Years

**Table 11** Top 10 Destinations With the Highest Import Value of China Imported Electrical Capacitors, Fixed, Variable or Adjustable (Pre-Set) in 2006, the Import Value And Growth Rate in the Past Years (Unit: USD)

**Table 12** The Import Value And Growth Rate of China Imported Semiconductor Devices in 2002-2006

**Table 13** Top Ten Origins of China Imported Semiconductor Devices And the Growth Rate in the Past Years (Unit: USD)

**Table 14** Top Ten Destinations With the Highest Import Value of China Imported Semiconductor Devices in 2006, the Import Value And Growth Rate in the Past Years

(Unit: USD)

**Table 15** The Import Value And Growth Rate of Integrated Circuit in 2002-2006

**Table 16** Top Ten Origins of China Imported Integrated Circuit in 2006 And the Growth Rate in the Past Years (By Import Value, Unit: USD)

**Table 17** Top Ten Destinations With the Highest Import Value of China Imported Integrated Circuit And the Import Value & Growth Rate in the Past Years (Unit: USD)

**Table 18** the Export Value And Growth Rate of China Exported Electronic Components & Devices in 2002-2006

**Table 19** Export Value of Subdivided Products of Electronic Components & Devices

**Table 20** Top Ten Destinations of China Exported Electronic Components & Devices And the Growth Rate in the Past Years (By Export Value, Unit: USD)

**Table 21** Top Ten Origins of China Exported Electronic Components & Devices in 2006 And the Growth Rates in the Past Years (By Export Value, Unit: USD)

**Table 22** Ex. Rate of imported electronic components & devices

**Table 23** Catalogue of Electronic Components & Devices To Be Compulsory Inspected

**Table 24** Catalogue of Electronic Components & Devices Abiding By the Administration of Automatic Import License

**Table 25** Limit For Poisonous And Hazardous Substances Contained in Electronic Components & Devices

**Table 26** Outline of Precise Testing Method

**Table 27** Compulsory Standards For Electronic Components & Devices in Countries Concerned

**Table 28** List of Sales Income, Profit And National Share of Electronic Components & Devices of Major Regions in China in 2006 (Unit: RMB 1,000)

**Table 29** List of Quantity of Large-Scale Enterprises in Electronic Components & Devices Manufacturers in the Regions of China in 2006

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