



**Global and China MLCC Electronic  
Ceramics Industry Report, 2019-2025**

**May 2019**

## **STUDY GOAL AND OBJECTIVES**

This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

## **REPORT OBJECTIVES**

- ◆ To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
- ◆ To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
- ◆ To complement the organizations' internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
- ◆ To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
- ◆ To help company to succeed in a competitive market, and

## **METHODOLOGY**

Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications. Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

## **INFORMATION SOURCES**

The primary information sources include Company Reports, and National Bureau of Statistics of China etc.

## Abstract

MLCC is mainly used in audio and video equipment, mobile phones, computers and automobiles. The prospective boom of MLCC formula powder hinges on demand:

- 1) The accelerated renewal of consumer electronics like mobile phone triggers higher demand for stand-alone MLCC;
- 2) In the domain of automotive electronics, the demand for medium- and high-voltage, high-capacity and other high-end MLCC products grows with higher automotive electronic rate and higher electric vehicle output.

Additionally, downstream MLCC vendors Murata and Samsung Electro-Mechanics have clearly confirmed the reduction of low- and medium-end MLCC capacity from 2018 and turned to high-end products. In brief, the MLCC electric ceramics market is expected to grow further.

As for competitive landscape, the global MLCC formula powder is mainly concentrated in Japan where Sakai Chemical Industry is the world's largest manufacturer of MLCC formula powder, boasting a market share of 28%. US-based Ferro and Japan-based Nippon Chemical Industrial rank second and third, with the respective market share of 20% and 14%. There are few Chinese enterprises in mass production and marketing of MLCC formula powder.

Shandong Sinocera is China's first and the world's second vendor that successfully mass-produces nano-barium titanate powder by hydrothermal process after Japan-based Sakai Chemical Industry. It is also the largest producer and seller of MLCC formula powder in Mainland China with the current capacity of 7,000 tons/a (with the output of 4,500 tons in 2018), the outsourcing market share of more than 30% (ranking first globally), the global formula powder market share of about 10% and the domestic market share of 80% or so.

The report highlights the followings:

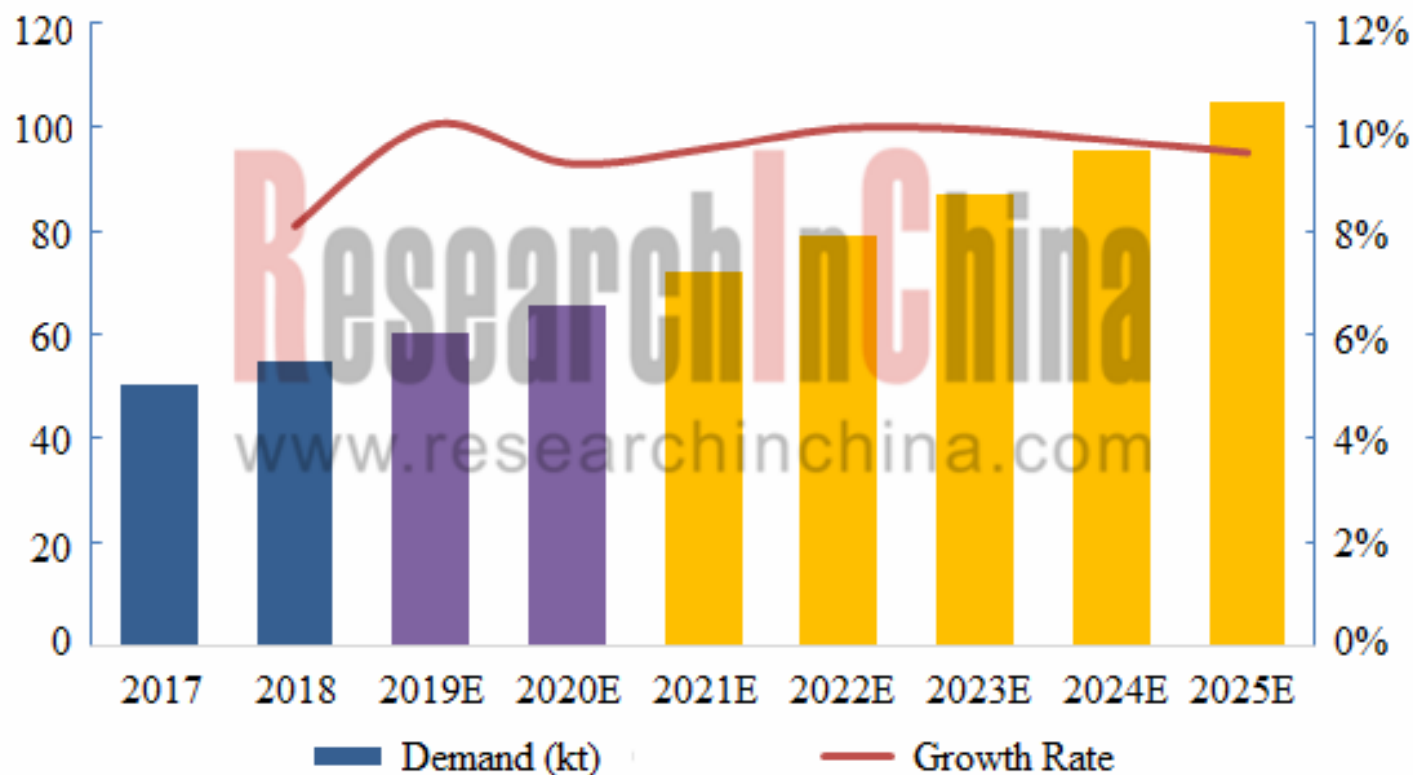
China's MLCC industry (development course, policies and regulations, market size, production and sales, competition pattern, development trends, etc.);

Downstream MLCC market (MLCC supply and demand, market segments, import and export, etc.);

13 major Chinese and foreign vendors including Sakai Chemical Industry, Ferro, NCI, Fuji Titan, KCM, SFC, Toda Kogyo, Shandong Sinocera, Fenghua Advanced Technology and Xiantao Zhongxing Electronic (Profile, financials, output and sales volume, major customers, key products, R&D, production base distribution, and technical features, etc.).

Copyright 2012ResearchInChina

Global Demand for MLCC Formula Powder and Growth Rate, 2017-2025E



Source: Global and China MLCC Electronic Ceramics Industry Report, 2019-2025 by ResearchInChina

### **1 Overview of MLCC Electronic Ceramics**

- 1.1 Profile
- 1.2 Classification and Application
- 1.3 Industry Chain

### **2 Global MLCC Electronic Ceramics Industry**

- 2.1 Development Background
- 2.2 Supply
- 2.3 Demand
- 2.4 Market Competition
- 2.5 Regional Distribution
  - 2.5.1 The United States
  - 2.5.2 Japan
  - 2.5.3 South Korea
  - 2.5.4 Taiwan

### **3 China MLCC Electronic Ceramics Industry**

- 3.1 Development Environment
  - 3.1.1 Policy Environment
  - 3.1.2 Technology Environment
- 3.2 Supply
- 3.3 Demand
- 3.4 Competition Pattern
- 3.5 Development Prospect

### **4 MLCC Industry**

- 4.1 Market Size

- 4.2 Production & Sales
- 4.3 Capacity
- 4.4 Competitive Landscape

### **5 Global Leading Companies**

- 5.1 Sakai
  - 5.1.1 Profile
  - 5.1.2 Operation
  - 5.1.3 Customers and Suppliers
  - 5.1.4 MLCC Electronic Ceramics Business
- 5.2 Ferro
  - 5.2.1 Profile
  - 5.2.2 Operation
  - 5.2.3 MLCC Electronic Ceramics Business
- 5.3 NCI
  - 5.3.1 Profile
  - 5.3.2 Operation
  - 5.3.3 MLCC Electronic Ceramics Business
  - 5.3.4 Business in China
- 5.4 Fuji Titanium
  - 5.4.1 Profile
  - 5.4.2 MLCC Electronic Ceramics Business
- 5.5 KCM
  - 5.5.1 Profile
  - 5.5.2 MLCC Electronic Ceramics Business
- 5.6 SFC
  - 5.6.1 Profile

5.6.2 Operation	6.5 Kunshan Yuanyang Chemical Co.,Ltd
5.6.3 MLCC Electronic Ceramics Business	6.5.1 Profile
5.7 TODA KOGYO CORP	6.5.2 MLCC Electronic Ceramics Business
5.7.1 Profile	6.6 Bricem
5.7.2 Operation	6.6.1 Profile
5.7.3 MLCC Electronic Ceramics Business	6.6.2 MLCC Electronic Ceramics Business
<b>6. Key Chinese Manufacturers</b>	6.7 Nantong Auxin Technology Electronics Materials CO.,LTD
6.1 Shandong Sinocera Functional Material Co., Ltd	6.7.1 Profile
6.1.1 Profile	6.7.2 MLCC Electronic Ceramics Business
6.1.2 Operation	6.8 Others
6.1.3 Main Business	6.8.1 Tianjin Tongsheng Chemical Plant
6.1.4 Gross Margin	6.8.2 Xingtai Steel Non-ferrous Metal Smelting Factory
6.1.5 Key Projects	6.8.3 General Research Institute for Non-Ferrous Metal
6.1.6 Production and Marketing	
6.1.7 Customers and Suppliers	
6.1.8 R&D	
6.2 PDC	
6.2.1 Profile	
6.2.2 Operation	
6.2.3 MLCC Electronic Ceramics Business	
6.3 Hebei Xinji Chemical Industry Co., Ltd	
6.3.1 Profile	
6.3.2 MLCC Electronic Ceramics Business	
6.4 Xiantao Zhongxing Electronic Materials Co., Ltd.	
6.4.1 Profile	
6.4.2 Operation	
6.4.3 Capacity Expansion	

Structure of Multilayer Ceramic Capacitor (MLCC)  
Classification and Application of MLCC Electronic Ceramics Materials  
MLCC Electronic Ceramics Industry Chain  
Product Structure of Global Capacitor Market, 2018  
Performance Comparison between Various Capacitors  
Applied Voltage and Capacitance Value Range of Various Capacitors  
Ceramic Powder as a Percentage in MLCC Cost  
Global Output of MLCC Electronic Ceramics, 2016-2025E  
Global Output of MLCC Electronic Ceramics by Sources, 2012-2018  
Global Demand for MLCC Electronic Ceramics, 2016-2025E  
Global Output and Demand for MLCC Electronic Ceramics, 2007-2018  
Capacity of Major Global MLCC Electronic Ceramics Manufacturers, 2018  
Market Share of Major MLCC Formula Powders Worldwide  
Clients of Major MLCC Manufacturers in the United States, 2018  
Capacity of Major Japanese MLCC Electronic Ceramics Manufacturers, 2018  
Capacity of Major MLCC Manufacturers in South Korea, 2018  
Capacity of Major Taiwanese MLCC Electronic Ceramics Manufacturers, 2018  
Policies on MLCC Electronic Ceramics Industry in China, 2007-2019  
Comparison between Main Barium Titanate Preparation Processes  
Capacity of MLCC Electronic Ceramics in China, 2007-2018  
Demand for MLCC Electronic Ceramics in China, 2016-2025E  
Main Products and Capacity of MLCC Electronic Ceramics Manufacturers in China, 2018  
Comparison: Performance of Barium Titanate Products from China and Japan, 2012  
Global MLCC Sales Volume and Market Size, 1996-2018  
Market Size of China MLCC Industry, 2013-2025E  
Market Size of China MLCC Industry (by Application), 2017 & 2025E  
China's MLCC Output, 2013-2025E  
Stand-alone MLCC Usage of iPhone by Series

Stand-alone MLCC Demand of Mobile Phones by Communication System  
MLCC Demand of Automobiles by Type  
Global Electric Vehicle Sales Volume and Penetration Rate Are on the Rise  
China's MLCC Demand, 2013-2025E  
Presence of MLCC Manufacturers Worldwide, 2018  
MLCC Capacity Distribution Worldwide, 2018  
Global MLCC Capacity, 2012-2020E  
MLCC Capacity Expansion Plan of Major Manufacturers, 2018  
Market Share of Global Major MLCC Manufacturers, 2018  
MLCC Production Distribution of Foreign Manufacturers in China  
Global Mass Production of MLCC with Major Specifications, 2019  
MLCC Maker Production Capacity, 2018  
Sakai's Revenue and Net Income, FY2013-FY2018  
Sakai's Major Clients and Suppliers, 2018  
MLCC Ceramic Powder Capacity of Sakai Chemical Industry, FY2016-FY2021E  
Small-sized MLCC Ceramic Powder Capacity of Sakai Chemical Industry, FY2016-FY2021E  
Ferro's Revenue and Net Income, 2008-2018  
Ferro's Revenue Structure (by Field), 2018  
Ferro's Revenue Structure (by Region), 2018  
Performance Indicators of Ferro's Barium Titanate Based Powder  
NCI's Revenue and Net Income, FY2012-FY2018  
Performance Indicators of NCI's Barium Titanate Products  
NCI's Subordinate Chinese Enterprises and Their Business, 2018  
Main Battery Ceramic Products and Applications of Fuji Titanium  
Performance Indicators of KCM's MLCC Formula Powder Products  
SFC's Revenue and Net Income, 2012-2018  
SFC's Revenue Structure (by Product), 2012-2018  
SFC's Gross Profit and Gross Margin, 2012-2018



Performance Indicators of SFC's Barium Titanate Powder  
SFC's Sales of Barium Titanate Powder, 2012-2018  
Toda Kogyo Corp.'s Revenue and Net Income, FY2012-FY2018  
Revenue and Net Income of Sinocera, 2013-2018  
Revenue Structure of Sinocera by Product, 2013-2018  
Revenue Structure of Sinocera by Region, 2013-2018  
Sinocera's Consolidated Gross Margin and Gross Margin by Product, 2013-2018  
Sinocera's Capacity of MLCC Electronic Ceramics Materials, 2013-2018  
Sinocera's Output and Sales Volume (by Product), 2012-2018  
Sales and Revenue Contribution of Sinocera's Top 5 Clients, 2008-2018  
Sinocera's Top 5 Clients and Sales, 2018  
Sinocera's Top 10 Suppliers and Procurement, 2018  
R&D Costs and % of Total Revenue of Shandong Sinocera, 2016-2018  
PDC's Revenue and Net Income, 2009-2012  
PDC's Revenue Structure (by Product), 2018  
PDC's Capacity of MLCC Electronic Ceramics Powder, 2013-2018  
Capacity of Xinji Chemical by Product, 2018  
Chemical Composition Indicators of Barium Titanate Products of Xinji Chemical  
Chemical Performance Indicators of Barium Titanate Products of Xinji Chemical  
Revenue of Xiantao Zhongxing Electronic Materials, 2013-2018  
Capacities of Xiantao Zhongxing Electronic Materials by Product, 2016-2018  
Performance Index of Yuanyang Chemical's Barium Titanate Products  
Subsidiaries of Bricem, 2018  
Physical Indicators of Barium Titanate Products of Auxin Technology  
Chemical Indicators of Barium Titanate Products of Auxin Technology

You can place your order in the following alternative ways:

1. Order online at [www.researchinchina.com](http://www.researchinchina.com)
2. Fax order sheet to us at fax number: +86 10 82601570
3. Email your order to: [report@researchinchina.com](mailto:report@researchinchina.com)
4. Phone us at +86 10 82600828

<b>Party A:</b>			
Name:			
Address:			
Contact Person:		Tel	
E-mail:		Fax	

<b>Party B:</b>			
Name:	Beijing Waterwood Technologies Co., Ltd (ResearchInChina)		
Address:	Room 801, B1, Changyuan Tiandi Building, No. 18, Suzhou Street, Haidian District, Beijing, China 100080		
Contact Person:	Liao Yan	Phone:	86-10-82600828
E-mail:	<a href="mailto:report@researchinchina.com">report@researchinchina.com</a>	Fax:	86-10-82601570
Bank details:	Beneficial Name: Beijing Waterwood Technologies Co., Ltd Bank Name: Bank of Communications, Beijing Branch Bank Address: NO.1 jinxiyuan shijicheng, Landianchang, Haidian District, Beijing Bank Account No #: 110060668012015061217 Routing No #: 332906 Bank SWIFT Code: COMMCNSHBJG		

Title	Format	Cost
<i>Total</i>		

Choose type of format

- PDF (Single user license) .....2,500 USD
- Hard copy ..... 2,700 USD
- PDF (Enterprisewide license)..... 3,900 USD

※ Reports will be dispatched immediately once full payment has been received.  
Payment may be made by wire transfer or credit card via PayPal.

### About ResearchInChina

ResearchInChina ([www.researchinchina.com](http://www.researchinchina.com)) is a leading independent provider of China business intelligence. Our research is designed to meet the diverse planning and information needs of businesses, institutions, and professional investors worldwide. Our services are used in a variety of ways, including strategic planning, product and sales forecasting, risk and sensitivity management, and as investment research.

#### Our Major Activities

- *Multi-users market reports*
- *Database-RICDB*
- *Custom Research*
- *Company Search*

**RICDB** (<http://www.researchinchina.com/data/database.html>), is a visible financial data base presented by map and graph covering global and China macroeconomic data, industry data, and company data. It has included nearly 500,000 indices (based on time series), and is continuing to update and increase. The most significant feature of this base is that the vast majority of indices (about 400,000) can be displayed in map.

After purchase of our report, you will be automatically granted to enjoy 2 weeks trial service of RICDB for free.

After trial, you can decide to become our formal member or not. We will try our best to meet your demand. For more information, please find at [www.researchinchina.com](http://www.researchinchina.com)

For any problems, please contact our service team at: