

# Global Multilayer Ceramic Capacitor (MLCC) Market Professional Survey Report 2018

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### **Abstracts**

This report studies the global Multilayer Ceramic Capacitor (MLCC) market status and forecast, categorizes the global Multilayer Ceramic Capacitor (MLCC) market size (value & volume) by manufacturers, type, application, and region. This report focuses on the top manufacturers in North America, Europe, Japan, China, India, Southeast Asia and other regions (Central & South America, and Middle East & Africa). Multilayer ceramic chip capacitors, or MLCCs, are important building blocks in today's modern electronics and make up approximately 30% of the total components in a typical hybrid circuit module. Multilayer capacitors consist of a monolithic ceramic block with comb-like sintered electrodes. These electrodes come to the surface at the face ends of the ceramic block where an electrical contact is made by burnt-in metallic layers. Multilayer Ceramic Capacitor (MLCC) consist of a monolithic ceramic block with comblike sintered electrodes. These electrodes come to the surface at the face ends of the ceramic block where an electrical contact is made by burnt-in metallic layers. There are SMD/SMT multilayer ceramic capacitor and leaded (radial/axial) multilayer ceramic capacitor. SMD/SMT multilayer ceramic capacitor is the mainly product in the world at present, represented about 93% of the global production market. The MLCC can be classified by dielectrics: X7R, X5R, C0G, Y5V, etc. X7R MLCC took about 1/3 of the total MLCC market and X5R took up about 1/4, while Y5V is replaced by the X7R and X5R gradually.

Multilayer ceramic capacitor can be used in Consumer Electronics, Automotive, Industrial Machinery, Defense, etc. The Consumer Electronics is the main use of the Multilayer ceramic capacitor with the share of about 70% in the world. Consumption of MLCC for a Laptop is about 400-800 pcs, for Smartphone is 200-400 pcs and for LED/LCD TV is about 500-800 pcs.

China, Taiwan, Japan and Korea are now the key producers of Multilayer ceramic capacitor in the world. China and Japan are the two largest consumption countries of



Multilayer ceramic capacitor products in the world in the past few years while the Chinese market share increased to about 35% in 2016 from 30% in 2012, China and Japan will keep the leading position in the next few years. Korea, Taiwan, Singapore, Vietnam and Mexico took up about 1/4 the world in 2016. The Murata, Samsung Electro, TDK Corp, Taiyo Yuden are most leading companies to produce high capacity (1uF-100uF) products, and Murata, Kyocera, Yageo, Walsin, Fenghua, EYANG is leaders of low capacity (



#### **Contents**

Global Multilayer Ceramic Capacitor (MLCC) Market Professional Survey Report 2018

#### 1 INDUSTRY OVERVIEW OF MULTILAYER CERAMIC CAPACITOR (MLCC)

- 1.1 Definition and Specifications of Multilayer Ceramic Capacitor (MLCC)
  - 1.1.1 Definition of Multilayer Ceramic Capacitor (MLCC)
  - 1.1.2 Specifications of Multilayer Ceramic Capacitor (MLCC)
- 1.2 Classification of Multilayer Ceramic Capacitor (MLCC)
  - 1.2.1 X7R
- 1.2.2 X5R
- 1.2.3 COG (NP0)
- 1.2.4 Y5V
- 1.2.5 Others
- 1.3 Applications of Multilayer Ceramic Capacitor (MLCC)
  - 1.3.1 Consumer Electronics
  - 1.3.2 Automotive
  - 1.3.3 Industrial Machinery
  - 1.3.4 Defence
  - 1.3.5 Others
- 1.4 Market Segment by Regions
  - 1.4.1 North America
  - 1.4.2 Europe
  - 1.4.3 China
  - 1.4.4 Japan
  - 1.4.5 Southeast Asia
  - 1.4.6 India

# 2 MANUFACTURING COST STRUCTURE ANALYSIS OF MULTILAYER CERAMIC CAPACITOR (MLCC)

- 2.1 Raw Material and Suppliers
- 2.2 Manufacturing Cost Structure Analysis of Multilayer Ceramic Capacitor (MLCC)
- 2.3 Manufacturing Process Analysis of Multilayer Ceramic Capacitor (MLCC)
- 2.4 Industry Chain Structure of Multilayer Ceramic Capacitor (MLCC)

# 3 TECHNICAL DATA AND MANUFACTURING PLANTS ANALYSIS OF MULTILAYER CERAMIC CAPACITOR (MLCC)



- 3.1 Capacity and Commercial Production Date of Global Multilayer Ceramic Capacitor (MLCC) Major Manufacturers in 2017
- 3.2 Manufacturing Plants Distribution of Global Multilayer Ceramic Capacitor (MLCC) Major Manufacturers in 2017
- 3.3 R&D Status and Technology Source of Global Multilayer Ceramic Capacitor (MLCC) Major Manufacturers in 2017
- 3.4 Raw Materials Sources Analysis of Global Multilayer Ceramic Capacitor (MLCC) Major Manufacturers in 2017

### 4 GLOBAL MULTILAYER CERAMIC CAPACITOR (MLCC) OVERALL MARKET OVERVIEW

- 4.1 2013-2018E Overall Market Analysis
- 4.2 Capacity Analysis
- 4.2.1 2013-2018E Global Multilayer Ceramic Capacitor (MLCC) Capacity and Growth Rate Analysis
- 4.2.2 2017 Multilayer Ceramic Capacitor (MLCC) Capacity Analysis (Company Segment)
- 4.3 Sales Analysis
- 4.3.1 2013-2018E Global Multilayer Ceramic Capacitor (MLCC) Sales and Growth Rate Analysis
- 4.3.2 2017 Multilayer Ceramic Capacitor (MLCC) Sales Analysis (Company Segment)
- 4.4 Sales Price Analysis
- 4.4.1 2013-2018E Global Multilayer Ceramic Capacitor (MLCC) Sales Price
- 4.4.2 2017 Multilayer Ceramic Capacitor (MLCC) Sales Price Analysis (Company Segment)

#### 5 MULTILAYER CERAMIC CAPACITOR (MLCC) REGIONAL MARKET ANALYSIS

- 5.1 North America Multilayer Ceramic Capacitor (MLCC) Market Analysis
  - 5.1.1 North America Multilayer Ceramic Capacitor (MLCC) Market Overview
- 5.1.2 North America 2013-2018E Multilayer Ceramic Capacitor (MLCC) Local Supply, Import, Export, Local Consumption Analysis
- 5.1.3 North America 2013-2018E Multilayer Ceramic Capacitor (MLCC) Sales Price Analysis
- 5.1.4 North America 2017 Multilayer Ceramic Capacitor (MLCC) Market Share Analysis
- 5.2 Europe Multilayer Ceramic Capacitor (MLCC) Market Analysis



- 5.2.1 Europe Multilayer Ceramic Capacitor (MLCC) Market Overview
- 5.2.2 Europe 2013-2018E Multilayer Ceramic Capacitor (MLCC) Local Supply, Import, Export, Local Consumption Analysis
- 5.2.3 Europe 2013-2018E Multilayer Ceramic Capacitor (MLCC) Sales Price Analysis
- 5.2.4 Europe 2017 Multilayer Ceramic Capacitor (MLCC) Market Share Analysis
- 5.3 China Multilayer Ceramic Capacitor (MLCC) Market Analysis
  - 5.3.1 China Multilayer Ceramic Capacitor (MLCC) Market Overview
- 5.3.2 China 2013-2018E Multilayer Ceramic Capacitor (MLCC) Local Supply, Import, Export, Local Consumption Analysis
  - 5.3.3 China 2013-2018E Multilayer Ceramic Capacitor (MLCC) Sales Price Analysis
- 5.3.4 China 2017 Multilayer Ceramic Capacitor (MLCC) Market Share Analysis
- 5.4 Japan Multilayer Ceramic Capacitor (MLCC) Market Analysis
  - 5.4.1 Japan Multilayer Ceramic Capacitor (MLCC) Market Overview
- 5.4.2 Japan 2013-2018E Multilayer Ceramic Capacitor (MLCC) Local Supply, Import, Export, Local Consumption Analysis
- 5.4.3 Japan 2013-2018E Multilayer Ceramic Capacitor (MLCC) Sales Price Analysis
- 5.4.4 Japan 2017 Multilayer Ceramic Capacitor (MLCC) Market Share Analysis
- 5.5 Southeast Asia Multilayer Ceramic Capacitor (MLCC) Market Analysis
  - 5.5.1 Southeast Asia Multilayer Ceramic Capacitor (MLCC) Market Overview
- 5.5.2 Southeast Asia 2013-2018E Multilayer Ceramic Capacitor (MLCC) Local Supply, Import, Export, Local Consumption Analysis
- 5.5.3 Southeast Asia 2013-2018E Multilayer Ceramic Capacitor (MLCC) Sales Price Analysis
- 5.5.4 Southeast Asia 2017 Multilayer Ceramic Capacitor (MLCC) Market Share Analysis
- 5.6 India Multilayer Ceramic Capacitor (MLCC) Market Analysis
  - 5.6.1 India Multilayer Ceramic Capacitor (MLCC) Market Overview
- 5.6.2 India 2013-2018E Multilayer Ceramic Capacitor (MLCC) Local Supply, Import, Export, Local Consumption Analysis
- 5.6.3 India 2013-2018E Multilayer Ceramic Capacitor (MLCC) Sales Price Analysis
- 5.6.4 India 2017 Multilayer Ceramic Capacitor (MLCC) Market Share Analysis

# 6 GLOBAL 2013-2018E MULTILAYER CERAMIC CAPACITOR (MLCC) SEGMENT MARKET ANALYSIS (BY TYPE)

- 6.1 Global 2013-2018E Multilayer Ceramic Capacitor (MLCC) Sales by Type
- 6.2 Different Types of Multilayer Ceramic Capacitor (MLCC) Product Interview Price Analysis
- 6.3 Different Types of Multilayer Ceramic Capacitor (MLCC) Product Driving Factors



#### Analysis

- 6.3.1 X7R Growth Driving Factor Analysis
- 6.3.2 X5R Growth Driving Factor Analysis
- 6.3.3 COG (NP0) Growth Driving Factor Analysis
- 6.3.4 Y5V Growth Driving Factor Analysis
- 6.3.5 Others Growth Driving Factor Analysis

### 7 GLOBAL 2013-2018E MULTILAYER CERAMIC CAPACITOR (MLCC) SEGMENT MARKET ANALYSIS (BY APPLICATION)

- 7.1 Global 2013-2018E Multilayer Ceramic Capacitor (MLCC) Consumption by Application
- 7.2 Different Application of Multilayer Ceramic Capacitor (MLCC) Product Interview Price Analysis
- 7.3 Different Application of Multilayer Ceramic Capacitor (MLCC) Product Driving Factors Analysis
- 7.3.1 Consumer Electronics of Multilayer Ceramic Capacitor (MLCC) Growth Driving Factor Analysis
- 7.3.2 Automotive of Multilayer Ceramic Capacitor (MLCC) Growth Driving Factor Analysis
- 7.3.3 Industrial Machinery of Multilayer Ceramic Capacitor (MLCC) Growth Driving Factor Analysis
  - 7.3.4 Defence of Multilayer Ceramic Capacitor (MLCC) Growth Driving Factor Analysis
- 7.3.5 Others of Multilayer Ceramic Capacitor (MLCC) Growth Driving Factor Analysis

## 8 MAJOR MANUFACTURERS ANALYSIS OF MULTILAYER CERAMIC CAPACITOR (MLCC)

- 8.1 Murata
  - 8.1.1 Company Profile
  - 8.1.2 Product Picture and Specifications
    - 8.1.2.1 Product A
    - 8.1.2.2 Product B
- 8.1.3 Murata 2017 Multilayer Ceramic Capacitor (MLCC) Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.1.4 Murata 2017 Multilayer Ceramic Capacitor (MLCC) Business Region Distribution Analysis
- 8.2 Samsung Electro
  - 8.2.1 Company Profile



- 8.2.2 Product Picture and Specifications
  - 8.2.2.1 Product A
  - 8.2.2.2 Product B
- 8.2.3 Samsung Electro 2017 Multilayer Ceramic Capacitor (MLCC) Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.2.4 Samsung Electro 2017 Multilayer Ceramic Capacitor (MLCC) Business Region Distribution Analysis
- 8.3 TDK Corp
  - 8.3.1 Company Profile
  - 8.3.2 Product Picture and Specifications
    - 8.3.2.1 Product A
    - 8.3.2.2 Product B
- 8.3.3 TDK Corp 2017 Multilayer Ceramic Capacitor (MLCC) Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.3.4 TDK Corp 2017 Multilayer Ceramic Capacitor (MLCC) Business Region Distribution Analysis
- 8.4 Kyocera (AVX)
  - 8.4.1 Company Profile
  - 8.4.2 Product Picture and Specifications
    - 8.4.2.1 Product A
    - 8.4.2.2 Product B
- 8.4.3 Kyocera (AVX) 2017 Multilayer Ceramic Capacitor (MLCC) Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.4.4 Kyocera (AVX) 2017 Multilayer Ceramic Capacitor (MLCC) Business Region Distribution Analysis
- 8.5 Taiyo Yuden
  - 8.5.1 Company Profile
  - 8.5.2 Product Picture and Specifications
    - 8.5.2.1 Product A
    - 8.5.2.2 Product B
- 8.5.3 Taiyo Yuden 2017 Multilayer Ceramic Capacitor (MLCC) Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.5.4 Taiyo Yuden 2017 Multilayer Ceramic Capacitor (MLCC) Business Region Distribution Analysis
- 8.6 Yageo
  - 8.6.1 Company Profile
  - 8.6.2 Product Picture and Specifications
    - 8.6.2.1 Product A
    - 8.6.2.2 Product B



- 8.6.3 Yageo 2017 Multilayer Ceramic Capacitor (MLCC) Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.6.4 Yageo 2017 Multilayer Ceramic Capacitor (MLCC) Business Region Distribution Analysis
- 8.7 Walsin
  - 8.7.1 Company Profile
  - 8.7.2 Product Picture and Specifications
    - 8.7.2.1 Product A
    - 8.7.2.2 Product B
- 8.7.3 Walsin 2017 Multilayer Ceramic Capacitor (MLCC) Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.7.4 Walsin 2017 Multilayer Ceramic Capacitor (MLCC) Business Region Distribution Analysis
- 8.8 Kemet
  - 8.8.1 Company Profile
  - 8.8.2 Product Picture and Specifications
    - 8.8.2.1 Product A
    - 8.8.2.2 Product B
- 8.8.3 Kemet 2017 Multilayer Ceramic Capacitor (MLCC) Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.8.4 Kemet 2017 Multilayer Ceramic Capacitor (MLCC) Business Region Distribution Analysis
- 8.9 Samwha
  - 8.9.1 Company Profile
  - 8.9.2 Product Picture and Specifications
    - 8.9.2.1 Product A
    - 8.9.2.2 Product B
- 8.9.3 Samwha 2017 Multilayer Ceramic Capacitor (MLCC) Sales, Ex-factory Price,
- Revenue, Gross Margin Analysis
- 8.9.4 Samwha 2017 Multilayer Ceramic Capacitor (MLCC) Business Region Distribution Analysis
- 8.10 Vishay
  - 8.10.1 Company Profile
  - 8.10.2 Product Picture and Specifications
    - 8.10.2.1 Product A
    - 8.10.2.2 Product B
- 8.10.3 Vishay 2017 Multilayer Ceramic Capacitor (MLCC) Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.10.4 Vishay 2017 Multilayer Ceramic Capacitor (MLCC) Business Region



#### **Distribution Analysis**

- 8.11 JDI
- 8.12 Darfon
- 8.13 Holy Stone
- 8.14 Fenghua
- **8.15 EYANG**
- 8.16 Three-Circle
- 8.17 NIC Components
- 8.18 Nippon Chemi-Con
- 8.19 MARUWA
- 8.20 Torch

### 9 DEVELOPMENT TREND OF ANALYSIS OF MULTILAYER CERAMIC CAPACITOR (MLCC) MARKET

- 9.1 Global Multilayer Ceramic Capacitor (MLCC) Market Trend Analysis
- 9.1.1 Global 2018-2025 Multilayer Ceramic Capacitor (MLCC) Market Size (Volume and Value) Forecast
  - 9.1.2 Global 2018-2025 Multilayer Ceramic Capacitor (MLCC) Sales Price Forecast
- 9.2 Multilayer Ceramic Capacitor (MLCC) Regional Market Trend
- 9.2.1 North America 2018-2025 Multilayer Ceramic Capacitor (MLCC) Consumption Forecast
- 9.2.2 Europe 2018-2025 Multilayer Ceramic Capacitor (MLCC) Consumption Forecast
- 9.2.3 China 2018-2025 Multilayer Ceramic Capacitor (MLCC) Consumption Forecast
- 9.2.4 Japan 2018-2025 Multilayer Ceramic Capacitor (MLCC) Consumption Forecast
- 9.2.5 Southeast Asia 2018-2025 Multilayer Ceramic Capacitor (MLCC) Consumption Forecast
- 9.2.6 India 2018-2025 Multilayer Ceramic Capacitor (MLCC) Consumption Forecast
- 9.3 Multilayer Ceramic Capacitor (MLCC) Market Trend (Product Type)
- 9.4 Multilayer Ceramic Capacitor (MLCC) Market Trend (Application)

### 10 MULTILAYER CERAMIC CAPACITOR (MLCC) MARKETING TYPE ANALYSIS

- 10.1 Multilayer Ceramic Capacitor (MLCC) Regional Marketing Type Analysis
- 10.2 Multilayer Ceramic Capacitor (MLCC) International Trade Type Analysis
- 10.3 Traders or Distributors with Contact Information of Multilayer Ceramic Capacitor (MLCC) by Region
- 10.4 Multilayer Ceramic Capacitor (MLCC) Supply Chain Analysis



### 11 CONSUMERS ANALYSIS OF MULTILAYER CERAMIC CAPACITOR (MLCC)

- 11.1 Consumer 1 Analysis
- 11.2 Consumer 2 Analysis
- 11.3 Consumer 3 Analysis
- 11.4 Consumer 4 Analysis

### 12 CONCLUSION OF THE GLOBAL MULTILAYER CERAMIC CAPACITOR (MLCC) MARKET PROFESSIONAL SURVEY REPORT 2017

Methodology Analyst Introduction Data Source

The report requires updating with new data and is sent in 2-3 business days after order is placed.



### **List Of Tables**

#### LIST OF TABLES AND FIGURES

Figure Picture of Multilayer Ceramic Capacitor (MLCC)

Table Product Specifications of Multilayer Ceramic Capacitor (MLCC)

Table Classification of Multilayer Ceramic Capacitor (MLCC)

Figure Global Production Market Share of Multilayer Ceramic Capacitor (MLCC) by

Type in 2017

Figure X7R Picture

Table Major Manufacturers of X7R

Figure X5R Picture

Table Major Manufacturers of X5R

Figure C0G (NP0) Picture

Table Major Manufacturers of C0G (NP0)

Figure Y5V Picture

Table Major Manufacturers of Y5V

Figure Others Picture

Table Major Manufacturers of Others

Table Applications of Multilayer Ceramic Capacitor (MLCC)

Figure Global Consumption Volume Market Share of Multilayer Ceramic Capacitor

(MLCC) by Application in 2017

Figure Consumer Electronics Examples

Table Major Consumers in Consumer Electronics

Figure Automotive Examples

Table Major Consumers in Automotive

Figure Industrial Machinery Examples

Table Major Consumers in Industrial Machinery

Figure Defence Examples

Table Major Consumers in Defence

Figure Others Examples

Table Major Consumers in Others

Figure Market Share of Multilayer Ceramic Capacitor (MLCC) by Regions

Figure North America Multilayer Ceramic Capacitor (MLCC) Market Size (Million USD) (2013-2025)

Figure Europe Multilayer Ceramic Capacitor (MLCC) Market Size (Million USD) (2013-2025)

Figure China Multilayer Ceramic Capacitor (MLCC) Market Size (Million USD) (2013-2025)



Figure Japan Multilayer Ceramic Capacitor (MLCC) Market Size (Million USD) (2013-2025)

Figure Southeast Asia Multilayer Ceramic Capacitor (MLCC) Market Size (Million USD) (2013-2025)

Figure India Multilayer Ceramic Capacitor (MLCC) Market Size (Million USD) (2013-2025)

Table Multilayer Ceramic Capacitor (MLCC) Raw Material and Suppliers

Table Manufacturing Cost Structure Analysis of Multilayer Ceramic Capacitor (MLCC) in 2017

Figure Manufacturing Process Analysis of Multilayer Ceramic Capacitor (MLCC)

Figure Industry Chain Structure of Multilayer Ceramic Capacitor (MLCC)

Table Capacity and Commercial Production Date of Global Multilayer Ceramic Capacitor (MLCC) Major Manufacturers in 2017

Table Manufacturing Plants Distribution of Global Multilayer Ceramic Capacitor (MLCC) Major Manufacturers in 2017

Table R&D Status and Technology Source of Global Multilayer Ceramic Capacitor (MLCC) Major Manufacturers in 2017

Table Raw Materials Sources Analysis of Global Multilayer Ceramic Capacitor (MLCC) Major Manufacturers in 2017

Table Global Capacity, Sales, Price, Cost, Sales Revenue (M USD) and Gross Margin of Multilayer Ceramic Capacitor (MLCC) 2013-2018E

Figure Global 2013-2018E Multilayer Ceramic Capacitor (MLCC) Market Size (Volume) and Growth Rate

Figure Global 2013-2018E Multilayer Ceramic Capacitor (MLCC) Market Size (Value) and Growth Rate

Table 2013-2018E Global Multilayer Ceramic Capacitor (MLCC) Capacity and Growth Rate

Table 2017 Global Multilayer Ceramic Capacitor (MLCC) Capacity (B Pcs) List (Company Segment)

Table 2013-2018E Global Multilayer Ceramic Capacitor (MLCC) Sales (B Pcs) and Growth Rate

Table 2017 Global Multilayer Ceramic Capacitor (MLCC) Sales (B Pcs) List (Company Segment)

Table 2013-2018E Global Multilayer Ceramic Capacitor (MLCC) Sales Price (USD/K Pcs)

Table 2017 Global Multilayer Ceramic Capacitor (MLCC) Sales Price (USD/K Pcs) List (Company Segment)

Figure North America Capacity Overview

Table North America Supply, Import, Export and Consumption (B Pcs) of Multilayer



Ceramic Capacitor (MLCC) 2013-2018E

Figure North America 2013-2018E Multilayer Ceramic Capacitor (MLCC) Sales Price (USD/K Pcs)

Figure North America 2017 Multilayer Ceramic Capacitor (MLCC) Sales Market Share Figure Europe Capacity Overview

Table Europe Supply, Import, Export and Consumption (B Pcs) of Multilayer Ceramic Capacitor (MLCC) 2013-2018E

Figure Europe 2013-2018E Multilayer Ceramic Capacitor (MLCC) Sales Price (USD/K Pcs)

Figure Europe 2017 Multilayer Ceramic Capacitor (MLCC) Sales Market Share Figure China Capacity Overview

Table China Supply, Import, Export and Consumption (B Pcs) of Multilayer Ceramic Capacitor (MLCC) 2013-2018E

Figure China 2013-2018E Multilayer Ceramic Capacitor (MLCC) Sales Price (USD/K Pcs)

Figure China 2017 Multilayer Ceramic Capacitor (MLCC) Sales Market Share Figure Japan Capacity Overview

Table Japan Supply, Import, Export and Consumption (B Pcs) of Multilayer Ceramic Capacitor (MLCC) 2013-2018E

Figure Japan 2013-2018E Multilayer Ceramic Capacitor (MLCC) Sales Price (USD/K Pcs)

Figure Japan 2017 Multilayer Ceramic Capacitor (MLCC) Sales Market Share Figure Southeast Asia Capacity Overview

Table Southeast Asia Supply, Import, Export and Consumption (B Pcs) of Multilayer Ceramic Capacitor (MLCC) 2013-2018E

Figure Southeast Asia 2013-2018E Multilayer Ceramic Capacitor (MLCC) Sales Price (USD/K Pcs)

Figure Southeast Asia 2017 Multilayer Ceramic Capacitor (MLCC) Sales Market Share Figure India Capacity Overview

Table India Supply, Import, Export and Consumption (B Pcs) of Multilayer Ceramic Capacitor (MLCC) 2013-2018E

Figure India 2013-2018E Multilayer Ceramic Capacitor (MLCC) Sales Price (USD/K Pcs)

Figure India 2017 Multilayer Ceramic Capacitor (MLCC) Sales Market Share Table Global 2013-2018E Multilayer Ceramic Capacitor (MLCC) Sales (B Pcs) by Type Table Different Types Multilayer Ceramic Capacitor (MLCC) Product Interview Price Table Global 2013-2018E Multilayer Ceramic Capacitor (MLCC) Sales (B Pcs) by Application

Table Different Application Multilayer Ceramic Capacitor (MLCC) Product Interview



**Price** 

Table Murata Information List

**Table Product Overview** 

Table 2017 Murata Multilayer Ceramic Capacitor (MLCC) Revenue (Million USD), Sales (B Pcs), Ex-factory Price (USD/K Pcs)

Figure 2017 Murata Multilayer Ceramic Capacitor (MLCC) Business Region Distribution Table Samsung Electro Information List

**Table Product Overview** 

Table 2017 Samsung Electro Multilayer Ceramic Capacitor (MLCC) Revenue (Million USD), Sales (B Pcs), Ex-factory Price (USD/K Pcs)

Figure 2017 Samsung Electro Multilayer Ceramic Capacitor (MLCC) Business Region Distribution

Table TDK Corp Information List

**Table Product Overview** 

Table 2017 TDK Corp Multilayer Ceramic Capacitor (MLCC) Revenue (Million USD),

Sales (B Pcs), Ex-factory Price (USD/K Pcs)

Figure 2017 TDK Corp Multilayer Ceramic Capacitor (MLCC) Business Region Distribution

Table Kyocera (AVX) Information List

**Table Product Overview** 

Table 2017 Kyocera (AVX) Multilayer Ceramic Capacitor (MLCC) Revenue (Million USD), Sales (B Pcs), Ex-factory Price (USD/K Pcs)

Figure 2017 Kyocera (AVX) Multilayer Ceramic Capacitor (MLCC) Business Region Distribution

Table Taiyo Yuden Information List

**Table Product Overview** 

Table 2017 Taiyo Yuden Multilayer Ceramic Capacitor (MLCC) Revenue (Million USD), Sales (B Pcs), Ex-factory Price (USD/K Pcs)

Figure 2017 Taiyo Yuden Multilayer Ceramic Capacitor (MLCC) Business Region Distribution

Table Yageo Information List

**Table Product Overview** 

Table 2017 Yageo Multilayer Ceramic Capacitor (MLCC) Revenue (Million USD), Sales (B Pcs), Ex-factory Price (USD/K Pcs)

Figure 2017 Yageo Multilayer Ceramic Capacitor (MLCC) Business Region Distribution Table Walsin Information List

**Table Product Overview** 

Table 2017 Walsin Multilayer Ceramic Capacitor (MLCC) Revenue (Million USD), Sales (B Pcs), Ex-factory Price (USD/K Pcs)



Figure 2017 Walsin Multilayer Ceramic Capacitor (MLCC) Business Region Distribution Table Kemet Information List

**Table Product Overview** 

Table 2017 Kemet Multilayer Ceramic Capacitor (MLCC) Revenue (Million USD), Sales (B Pcs), Ex-factory Price (USD/K Pcs)

Figure 2017 Kemet Multilayer Ceramic Capacitor (MLCC) Business Region Distribution Table Samwha Information List

**Table Product Overview** 

Table 2017 Samwha Multilayer Ceramic Capacitor (MLCC) Revenue (Million USD),

Sales (B Pcs), Ex-factory Price (USD/K Pcs)

Figure 2017 Samwha Multilayer Ceramic Capacitor (MLCC) Business Region

Distribution

Table Vishay Information List

**Table Product Overview** 

Table 2017 Vishay Multilayer Ceramic Capacitor (MLCC) Revenue (Million USD), Sales (B Pcs), Ex-factory Price (USD/K Pcs)

Figure 2017 Vishay Multilayer Ceramic Capacitor (MLCC) Business Region Distribution Table JDI Information List

**Table Darfon Information List** 

Table Holy Stone Information List

**Table Fenghua Information List** 

Table EYANG Information List

Table Three-Circle Information List

Table NIC Components Information List

Table Nippon Chemi-Con Information List

Table MARUWA Information List

**Table Torch Information List** 

Figure Global 2018-2025 Multilayer Ceramic Capacitor (MLCC) Market Size (B Pcs) and Growth Rate Forecast

Figure Global 2018-2025 Multilayer Ceramic Capacitor (MLCC) Market Size (Million USD) and Growth Rate Forecast

Figure Global 2018-2025 Multilayer Ceramic Capacitor (MLCC) Sales Price (USD/K Pcs) Forecast

Figure North America 2018-2025 Multilayer Ceramic Capacitor (MLCC) Consumption Volume (B Pcs) and Growth Rate Forecast

Figure China 2018-2025 Multilayer Ceramic Capacitor (MLCC) Consumption Volume (B Pcs) and Growth Rate Forecast

Figure Europe 2018-2025 Multilayer Ceramic Capacitor (MLCC) Consumption Volume (B Pcs) and Growth Rate Forecast



Figure Southeast Asia 2018-2025 Multilayer Ceramic Capacitor (MLCC) Consumption Volume (B Pcs) and Growth Rate Forecast

Figure Japan 2018-2025 Multilayer Ceramic Capacitor (MLCC) Consumption Volume (B Pcs) and Growth Rate Forecast

Figure India 2018-2025 Multilayer Ceramic Capacitor (MLCC) Consumption Volume (B Pcs) and Growth Rate Forecast

Table Global Sales Volume (B Pcs) of Multilayer Ceramic Capacitor (MLCC) by Type 2018-2025

Table Global Consumption Volume (B Pcs) of Multilayer Ceramic Capacitor (MLCC) by Application 2018-2025

Table Traders or Distributors with Contact Information of Multilayer Ceramic Capacitor (MLCC) by Region



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