

Multi-Layer Ceramic Capacitor Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Report description:

The global multi-layer ceramic capacitor market size reached US\$ 10.2 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 14.3 Billion by 2028, exhibiting a growth rate (CAGR) of 5.8% during 2022-2028.

Multi-layer ceramic capacitor (MLCC) refers to a fixed-value capacitor where two or more alternating layers of ceramic act as the dielectric. It comprises of parallelly-arranged individual capacitors that are connected to a monolithic structure, thereby offering higher frequency in comparison to the conventional aluminum electrolytic capacitors. As a result, it is widely installed across diverse sectors, such as, automotive, electronics, telecommunication, data transmission, power generation, etc.

The growing energy demand is primarily driving the adoption of MLCC for ensuring uninterrupted power supply across the residential and commercial complexes. Moreover, the expanding renewable energy sector is also propelling the demand for ceramic-based capacitors for protecting electrical components from external impacts. A significant growth in the consumer electronics industry along with the increasing demand for smartphones, digital TV sets, multimedia players, etc., is also augmenting the market growth. Furthermore, the rising integration of numerous advanced technologies, such as IoT, AI, remote sensing, etc., with capacitors in various smart wearables and sensor-based devices is also catalyzing the global market. In line with this, the growing number of smart infrastructures is further bolstering the adoption of MLCC to facilitate data transfer over a wired or wireless network without human intervention. Moreover, the expanding automotive sector coupled with the emergence of autonomous and driverless vehicles is also propelling the market growth. Besides this, the increasing focus of several manufacturers on the development of advanced product variants with improved transmission capacities will continue to further drive the global market for MLCC in the coming years.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global multi-layer ceramic capacitor market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market

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based on type, voltage range, dielectric type and end use.

Breakup by Type:

General Capacitor
Array
Serial Construction
Mega Cap
Others

Breakup by Voltage Range:

Low Range (Less Than 50V)
Medium Range (50V to 600V)
High Range (Above 600V)

Breakup by Dielectric Type:

X7R
X5R
C0G
Y5V
Others

Breakup by End Use:

Consumer Electronics
Automotive
Telecommunication
Data Transmission
Others

Breakup by Region:

North America
United States
Canada
Asia Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany

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France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being Darfon Electronics Corporation, Kyocera Corporation, Murata Manufacturing Co. Ltd., Samsung Electro-Mechanics Co. Ltd. (Samsung Group), Taiyo Yuden Co. Ltd., TDK Corporation, Vishay Intertechnology Inc., Walsin Technology Corporation and Yageo Corporation.

Key Questions Answered in This Report:

How has the global multi-layer ceramic capacitor market performed so far and how will it perform in the coming years?

What is the impact of COVID-19 on global multi-layer ceramic capacitor market?

What are the key regional markets?

What is the breakup of the market based on the type?

What is the breakup of the market based on the voltage range?

What is the breakup of the market based on the dielectric type?

What is the breakup of the market based on the end use?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the market?

What is the structure of the global multi-layer ceramic capacitor market and who are the key players?

What is the degree of competition in the market?

Table of Contents:

- 1 Preface
- 2 Scope and Methodology
 - 2.1 Objectives of the Study
 - 2.2 Stakeholders
 - 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
 - 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
 - 2.5 Forecasting Methodology
- 3 Executive Summary
- 4 Introduction
 - 4.1 Overview
 - 4.2 Key Industry Trends
- 5 Global Multi-Layer Ceramic Capacitor Market

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- 5.1Market Overview
- 5.2Market Performance
- 5.3Impact of COVID-19
- 5.4Market Forecast
- 6 Market Breakup by Type
 - 6.1General Capacitor
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
 - 6.2Array
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
 - 6.3Serial Construction
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
 - 6.4Mega Cap
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
 - 6.5Others
 - 6.5.1 Market Trends
 - 6.5.2 Market Forecast
- 7 Market Breakup by Voltage Range
 - 7.1Low Range (Less Than 50V)
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
 - 7.2Medium Range (50V to 600V)
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
 - 7.3High Range (Above 600V)
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 8 Market Breakup by Dielectric Type
 - 8.1X7R
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
 - 8.2X5R
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
 - 8.3C0G
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
 - 8.4Y5V
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
 - 8.5Others
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast
- 9 Market Breakup by End Use

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- 9.1 Consumer Electronics
 - 9.1.1 Market Trends
 - 9.1.2 Market Forecast
- 9.2 Automotive
 - 9.2.1 Market Trends
 - 9.2.2 Market Forecast
- 9.3 Telecommunication
 - 9.3.1 Market Trends
 - 9.3.2 Market Forecast
- 9.4 Data Transmission
 - 9.4.1 Market Trends
 - 9.4.2 Market Forecast
- 9.5 Others
 - 9.5.1 Market Trends
 - 9.5.2 Market Forecast
- 10 Market Breakup by Region
 - 10.1 North America
 - 10.1.1 United States
 - 10.1.1.1 Market Trends
 - 10.1.1.2 Market Forecast
 - 10.1.2 Canada
 - 10.1.2.1 Market Trends
 - 10.1.2.2 Market Forecast
 - 10.2 Asia Pacific
 - 10.2.1 China
 - 10.2.1.1 Market Trends
 - 10.2.1.2 Market Forecast
 - 10.2.2 Japan
 - 10.2.2.1 Market Trends
 - 10.2.2.2 Market Forecast
 - 10.2.3 India
 - 10.2.3.1 Market Trends
 - 10.2.3.2 Market Forecast
 - 10.2.4 South Korea
 - 10.2.4.1 Market Trends
 - 10.2.4.2 Market Forecast
 - 10.2.5 Australia
 - 10.2.5.1 Market Trends
 - 10.2.5.2 Market Forecast
 - 10.2.6 Indonesia
 - 10.2.6.1 Market Trends
 - 10.2.6.2 Market Forecast
 - 10.2.7 Others
 - 10.2.7.1 Market Trends
 - 10.2.7.2 Market Forecast
 - 10.3 Europe
 - 10.3.1 Germany

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- 10.3.1.1 Market Trends
- 10.3.1.2 Market Forecast
- 10.3.2 France
 - 10.3.2.1 Market Trends
 - 10.3.2.2 Market Forecast
- 10.3.3 United Kingdom
 - 10.3.3.1 Market Trends
 - 10.3.3.2 Market Forecast
- 10.3.4 Italy
 - 10.3.4.1 Market Trends
 - 10.3.4.2 Market Forecast
- 10.3.5 Spain
 - 10.3.5.1 Market Trends
 - 10.3.5.2 Market Forecast
- 10.3.6 Russia
 - 10.3.6.1 Market Trends
 - 10.3.6.2 Market Forecast
- 10.3.7 Others
 - 10.3.7.1 Market Trends
 - 10.3.7.2 Market Forecast
- 10.4 Latin America
 - 10.4.1 Brazil
 - 10.4.1.1 Market Trends
 - 10.4.1.2 Market Forecast
 - 10.4.2 Mexico
 - 10.4.2.1 Market Trends
 - 10.4.2.2 Market Forecast
 - 10.4.3 Others
 - 10.4.3.1 Market Trends
 - 10.4.3.2 Market Forecast
- 10.5 Middle East and Africa
 - 10.5.1 Market Trends
 - 10.5.2 Market Breakup by Country
 - 10.5.3 Market Forecast
- 11 SWOT Analysis
 - 11.1 Overview
 - 11.2 Strengths
 - 11.3 Weaknesses
 - 11.4 Opportunities
 - 11.5 Threats
- 12 Value Chain Analysis
- 13 Porters Five Forces Analysis
 - 13.1 Overview
 - 13.2 Bargaining Power of Buyers
 - 13.3 Bargaining Power of Suppliers
 - 13.4 Degree of Competition
 - 13.5 Threat of New Entrants

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- 13.6Threat of Substitutes
- 14 Competitive Landscape
 - 14.1Market Structure
 - 14.2Key Players
 - 14.3Profiles of Key Players
 - 14.3.1Darfon Electronics Corporation
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.2Kyocera Corporation
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 Financials
 - 14.3.2.4 SWOT Analysis
 - 14.3.3Murata Manufacturing Co. Ltd.
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials
 - 14.3.3.4 SWOT Analysis
 - 14.3.4Samsung Electro-Mechanics Co. Ltd. (Samsung Group)
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.4.3 Financials
 - 14.3.4.4 SWOT Analysis
 - 14.3.5Taiyo Yuden Co. Ltd.
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.5.3 Financials
 - 14.3.6TDK Corporation
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.6.3 Financials
 - 14.3.6.4 SWOT Analysis
 - 14.3.7Vishay Intertechnology Inc.
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.7.3 Financials
 - 14.3.7.4 SWOT Analysis
 - 14.3.8Walsin Technology Corporation
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
 - 14.3.8.3 Financials
 - 14.3.9Yageo Corporation
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
 - 14.3.9.3 Financials

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