

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?

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