

Multi-layer Ceramic Capacitor (MLCC) Market Revenues to Reach USD 17.72 billion by 2028 - Market Size, Share, Forecasts, & Trends Analysis Report by Mordor Intelligence

According to a new market research report titled "[Multi-layer Ceramic Capacitor \(MLCC\) Market Report \(2023-2028\)](#)," the market is estimated at USD 13.22 billion in 2023. It is expected to register a CAGR of 6.03% during the forecast period.

Multi-layer ceramic capacitors (MLCCs) are SMD-type capacitors with various capacitances. They are in high demand due to their frequency characteristics, reliability, and voltage tolerance. MLCCs are highly flexible and affordable. They can pack multiple components into a single package, eliminating the need for additional components. Due to factors like the widespread adoption of 5G technology, IoT, AI, and cloud, the demand for MLCCs is expected to double by 2030.

Report Summary:

Report Attribute	Details
Market Size (2023)	USD 13.22 billion
Market Size (2028)	USD 17.72 billion
CAGR (2023-2028)	6.03%
Study Period	2018-2028
Fastest Growing Market	Asia-Pacific
Largest Market	Asia-Pacific
Forecast Units	Value (USD billion)
Report Scope	Market Dynamics, Revenue Forecast and Segmentation, Competitive Landscape and Recent Developments, Market Growth, Future Opportunities, and Trends
Key Market Drivers	Adoption of emerging technologies like 5G, AI, IoT, etc.
	High demand from the automotive industry.

Who are the Top Companies in the Global Multi-layer Ceramic Capacitor Market?

The multi-layer ceramic capacitor market is moderately competitive, with the presence of some influential players. Major players are concentrating on expanding their customer bases in different countries. They are strategically collaborating to improve their market presence and profitability.

The significant players in the global MLCC market are:

- Murata Manufacturing Co. Ltd
- Taiyo Yuden Co. Ltd
- Kyocera Corporation
- Yageo Corporation

- Walsin Technology Corporation
- Samsung Electro-Mechanics Co. Ltd
- Eyang Holdings Group Co. Ltd
- TDK Corporation
- Vishay Intertechnology Inc.
- KEMET Corporation
- API Technologies
- Knowles Corporation
- Würth Elektronik Group

Other Reports That Might Be of Your Interest:

- [Ceramic Capacitors Market Report](#) - The global ceramic capacitor market was valued at USD 11.6 billion in 2023. It is anticipated to reach USD 17 billion by 2028, registering a CAGR of 6.2%.
- [Electric Double-layer Capacitor \(EDLC\) Market Report](#) - The global electric double-layer capacitor (EDLC) market size is estimated at USD 691.56 million in 2023. It is expected to reach USD 1.28 billion by 2028, with a CAGR of 13.19% during the forecast period (2023-2028).

Key Highlights from the Global Multi-layer Ceramic Capacitor Market Report:

High Demand from the Automotive Industry

- Multi-layer ceramic capacitors are crucial components in automotive systems. A single car contains thousands of MLCCs.
- The increasing use of connected and autonomous vehicles requires more data processing and, thus, more MLCCs.
- The rise of modern electric vehicles (EVs) and hybrid electric vehicles (HEVs) is increasing the demand for MLCCs.

Asia-Pacific Projected to Witness the Fastest Growth

- China is a leading manufacturer of multi-layer ceramic capacitors. The country is also becoming a powerhouse for automotive technologies.
- The automotive industry in India also offers significant potential for MLCC vendors. The consumer electronics and telecommunication industries in India are also growing, demanding more MLCCs.
- The growing demand for MLCCs in Japan is driving multi-layer ceramic capacitor manufacturers to expand their production capabilities.

What are the Latest Developments in the Global Multi-layer Ceramic Capacitor Market?

- In April 2022, Yageo Corporation expanded its 01005 commercial high-frequency grade MLCC product range and capacity for X7R, X5R, and NPO to meet the demand for the miniaturization of components in end electronic devices.
- In February 2022, Murata introduced the NFM15HC435D0E3 and set a new benchmark in the industry in terms of performance. This was the world's first automotive-grade three-terminal multi-layer ceramic capacitor. It boasts a capacitance of 4.3 F and a dimension of 0402 inches (1.0 0.5 mm).

Mordor Intelligence has Segmented the Global Multi-layer Ceramic Capacitor Market Based on Type, Rated Voltage Range, Dielectric Type, End-user Industry, and Geography.

- Type (Market Size and Forecast based on Value (USD billion), 2018-2028)
 - General Capacitor
 - Array
 - Serial Construction
 - Mega Cap
 - Other Types
- Rated Voltage Range (Market Size and Forecast based on Value (USD billion), 2018-2028)
 - Low Range
 - Mid-range
 - High Range
- Dielectric Type (Market Size and Forecast based on Value (USD billion), 2018-2028)
 - X7R
 - X5R
 - C0G
 - Y5V
 - Other Dielectric Types
- End-user Industry (Market Size and Forecast based on Value (USD billion), 2018-2028)
 - Electronics
 - Automotive
 - Industrial
 - Telecommunication
 - Other End-user Industries
- Geography (Market Size and Forecast based on Value (USD billion), 2018-2028)
 - North America
 - United States
 - Canada
 - Europe
 - Germany
 - United Kingdom
 - Asia-Pacific
 - India
 - China
 - Japan
 - Latin America
 - Brazil
 - Middle East & Africa

In a nutshell, the Mordor Intelligence market research report is a must-read for start-ups, industry players, investors, researchers, consultants, business strategists, and all those who are looking to understand this industry. Get a glance at the [Global Multi-layer Ceramic Capacitor \(MLCC\) Market Report \(2023-2028\)](#).

Mordor Intelligence constantly tracks industry trends. Some relevant market reports from the analysts that might be of interest to you:

- [Supercapacitors Market Report](#) - The global supercapacitors market size is estimated at USD 689.48 million in 2023. It is expected to reach USD 1.16 billion by 2028, registering a CAGR of 11.14% during the forecast period (2023-2028).
- [Aluminum Electrolytic Capacitors Market Report](#) - The global aluminum electrolytic capacitors market was valued at USD 3.8 billion in 2023. It is anticipated to reach around USD 5.0 billion by 2028, registering a CAGR of 4.2%.
- [Plastic Film Capacitors Market Report](#) - The global plastic film capacitor market is valued at USD 2.1 billion in 2023. It is anticipated to reach USD 2.8 billion by 2028, registering a CAGR of 5.37%.

About Mordor Intelligence:

[Mordor Intelligence](#) is a market intelligence and advisory firm. At Mordor Intelligence, we believe in predicting butterfly effects that have the potential to change or significantly impact market dynamics.

Our market research reports are comprehensive and provide exclusive data, facts and figures, trends, and the competitive landscape of the industry.