

Global Multi-Layer Ceramic Capacitor (MLCC) Market - Industry Trends, Opportunities and Forecasts to 2023

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Abstracts

The global multi-layer ceramic capacitor (MLCC) market is expected to grow from US\$5.056 billion in 2018 to US\$6.157 billion in 2023 at a CAGR of 4.02% over the forecast period. Multi-layer ceramic capacitors are the essential ingredients for the modern electronic systems as these offer remarkable performance and dependability while being cost-efficient. Multi-layer ceramic capacitors are monolithic devices consisting of laminated layers of dielectric materials combined with a metal electrode system. This layered formation is baked at high temperature to fabricate a highly efficient conductance device. The connection is then established by integrating a conductive termination barrier system at the exposed ends of the chip. MLCCs show high frequency characteristics, offer extremely low equivalent series resistance (ESR) and are very reliable. MLCC market is witnessing a high technological advancement resulting in increasing demand originating from the electronics sector.

Multi-layer ceramic capacitor has its applications in sectors such as telecommunication, consumer electronics, data processing, DVDs, Game PCs, and general electric circuits among others. Integration of MLCCs in smart televisions and LEDs will strengthen the global MLCC market growth over the next five years

On the basis of geography, multi-layer ceramic capacitor market is segmented as North America, Europe, Middle East & Africa, Asia-Pacific, and South America. Asia Pacific will account for significant share of the global MLCC market during the forecast period on account of increasing demand for consumer electronics and presence of a large number of manufacturers in the region.

Competitive Landscape

Multi-layer ceramic capacitor market is highly competitive due to the presence of well-diversified international, regional, and local players. However, some big international players dominate the market share owing to the enormous investment and better market penetration. With high market growth rate and increase in demand, the sector is attracting new entrants, resulting in a more competitive MLCC market. Competitive landscape provides with the strategy and investment details in order to boost up their presence.

Some of the key players of multi-layer ceramic capacitor market included in the report are Murata Manufacturing Co., Ltd, Samsung Electro-Mechanics, Vishay Intertechnology, Johanson Dielectrics, Inc, AVX Corporation, Taiyo Yuden Co., Ltd, Future Electronics, Kemet, TDK Corporation, and AFM Microelectronics Inc among others.

Market Segmentation

The multi-layer ceramic capacitor market has been segmented on the basis of product type, end-user industry, and geography.

By Product Type

COG (NPO)

X7R

X5R

Y5V

By End-User Industry

Telecommunication

Communication and Technology

Defense and Aviation

Healthcare

Manufacturing

Automotive

Power and Energy

By Geography

North America

South America

Europe

Middle East & Africa

Asia-Pacific

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