

Global Multi-Layer Ceramic Capacitor Market Size study, by Type (General Capacitor, Array, Serial Construction, Mega Cap, Others) by Rated Voltage Range (Low Range, Mid Range , High Range) by Dielectric Type (X7R, X5R, COG, Y5V, Others) by End-use (Electronics, Automotive, Industrial, Telecommunications, Data Transmission, Others) and Regional Forecasts 2021-2027

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Abstracts

Global Multi-Layer Ceramic Capacitor Market is valued approximately USD 9.67 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 5.1% over the forecast period 2021-2027. A multilayer ceramic capacitor (MLCC) is a sandwich construction made up of many layers of ceramic inner electrodes. The MLCC is a surface-mounted device (SMD) capacitance utilized in a variety of inductance applications, including telecoms, data management, PCs, hard discs, game PCs, DVDs, recording devices, mobile phones, general associated electronics, and more. Telecommunications is an industry with a lot of momentum, and manufacturers are betting on 5G technology to propel the sector ahead. The influence of MLCC has been so significant that future technologies such as IoT, 5G, and electric vehicles are all heavily reliant on the availability of MLCCs. As a result, the manufacturer has reorganized its product line and production capacity to meet the technological demands. One of the most important categories of the MLCC marketplace is automotive. The majority of the market's vendors are boosting their investments in the automobile industry. The industry is also growing due to the increasing adoption of electric vehicles and autonomous driving technology. When a vehicle switches from an internal combustion engine (ICE) to a battery electric vehicle, the number of MLCCs used

multiplies by five. For example, TESLA's Model 3 has over 9,000 MLCCs, while the Model S and X each have over 10,000. Car manufacturers' increased demand for these components is boosting specialized providers. Ceramic capacitors account for half of the sales of American capacitor maker Kemet. However, the fact that MLCCs must be maintained with extreme caution because ceramic is vulnerable to frequent breakage could be a deterrent to market expansion. Also, MLCCs are widely adopted in newer LCD and LED televisions, the market's growth is projected to be bolstered in the next years by the growing popularity of smart television sets.

Asia Pacific topped the market accounted value of USD 3.18 billion. The region is a major electrical device manufacturing powerhouse. In the next years, the advent of MLCC producers from countries such as Japan, South Korea, Taiwan, and India is likely to fuel regional expansion. Leading to increased consumption from end-use industries due to improved capacitance levels of MLCC and shrinking of capacitance, Asia Pacific is expected to be the fastest-growing market throughout the projection period.

Major market player included in this report are:

Darfon Electronics Corporation

KEMET

KYOCERA Corporation

Murata Manufacturing Co., Ltd.

SAMSUNG ELECTRONICS-MECHANICS

TAIYO YUDEN CO., LTD.

TDK U.S.A. Corporation

Vishay Intertechnology

Walsin Technology Corporation

YAGEO Corporation

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

General Capacitor

Array
Serial Construction
Mega Cap
Others
By Rated Voltage Range :
Low Range
Mid Range
High Range
By Dielectric type :
X7R
X5R
COG
Y5V
Others
By End use :
Electronics
Automotive
Industrial
Telecommunications
Data Transmission
Others

By Region:
North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan

Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019
Base year – 2020
Forecast period – 2021 to 2027

Target Audience of the Global Multi-Layer Ceramic CapacitorMarket in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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