

# Ceramic capacitor trend

What is the global multi-layer ceramic capacitor market size?

The global multi-layer ceramic capacitor market size was valued at USD 10.90 billion in 2022 and is expected to grow at a compound annual growth rate (CAGR) of 5.6% from 2023 to 2030. Multi-layer ceramic capacitor (MLCCs) are multilayered capacitors made of alternating layers of ceramic and metal.

What is the market share of low-range capacitors in 2022?

Low-range voltage (up to 50 V) is the leading segment in the market, with a market share of 46.6% in 2022. These capacitors are widely used in consumer electronics, automotive, industrial, and telecommunications sectors.

What is a multilayer ceramic capacitor?

Multilayer ceramic capacitors are widely used in indoor wireless access points, automobile electronic control units, digital cameras, and PC servers, further adding to the growth prospects of the multilayer ceramic capacitor market.

What is high-range voltage MLCC capacitor?

High-range voltage MLCC capacitors use multi-layering technologies and advanced ceramic dielectric thin-layers to offer high capacitance and high voltage to electronic devices. They are used in lighting ballasts, high-voltage coupling capacitors, switched-mode power supply devices, and inverter circuits.

What is a high Q capacitor?

AMOTECH's ACQ (High-Q) series has exceptional features, including high working voltage, enhanced equivalent series resistance, and improved self-resonance frequencies. These RoHS-compliant capacitors deliver excellent performance for frequencies up to 7-8 GHz.

What is MLCC capacitor?

The company's Electronic Components Department successfully developed MLCC, a new capacitor with an EIA 0201 size measuring 0.6 mm x 0.3 mm. This innovative capacitor boasts the highest capacitance in the industry, reaching an impressive ten microfarads.

2023 Multi-Layer Ceramic Capacitor (MLCC) Market Data, Growth Trends and Outlook to 2030 The Global Multi-Layer Ceramic Capacitor (MLCC) Market Analysis Report is a comprehensive report with in-depth qualitative and ...

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This article is a continuation of "Evolving Capacitors: Multilayer Ceramic Capacitors, Part 1 Trend (part 1/2)". Please read "part 1/2" first for an overall perspective. Decoupling Application Accounts for 70% of the Market. As mentioned above, multilayer ceramic capacitors are arranged around microprocessors, DSPs, microcomputers, FPGAs, or other ...

Here are the top seven trends shaping the future of this vital industry. 1. Miniaturization and High Capacitance. One of the most significant trends in the ceramic capacitor market is the push towards miniaturization while maintaining or increasing capacitance values.

Statistics for the 2023 & 2024 Capacitor market trends, created by Mordor Intelligence(TM) ...

Market Size & Trends. The global multi-layer ceramic capacitor market size was valued at USD 10.90 billion in 2022 and is expected to grow at a compound annual growth rate (CAGR) of 5.6% from 2023 to 2030. Multi-layer ceramic capacitor (MLCCs) are multilayered capacitors made of alternating layers of ceramic and metal. These capacitors possess ...

The global Multi-Layer Ceramic Capacitor (MLCC) market was valued at USD 11.63 billion in 2021, and it is projected to reach USD 16.63 billion by 2027, registering a CAGR of 6.03% during the ...

global ceramic capacitors market size was USD 12400 million in 2022 and market is projected to touch USD 27767.02 million by 2032 at CAGR 8.4% during the forecast period. Ceramic capacitors are crucial components in modern electronics, used extensively across various applications due to their compact size, reliability, and efficiency.

The report explores the global High Frequency Ceramic Capacitor market, including major ...

This report provides a quantitative analysis of the market segments, current trends, ...

MLCC (Multi-layer Ceramic Capacitor) is the most important passive component in electronic devices such as HHP, PC and digital display. The development trend of MLCC is a miniaturization with increasing the capacitance. In this paper, a development history of the high capacitance MLCC in Korea was introduced, and the necessity of the finer

The Ceramic Capacitors Market size is estimated at USD 25.38 billion in 2024, and is expected ...

Therefore, manufacturers are involved in product innovation related to higher capacitance for ceramic capacitors to cater to such a trend. For instance, in February 2022, Murata Manufacturing Co., Ltd. announced the launch of the NFM15HC435D0E3 MLCC, designed with 3 terminals to provide a capacitance of 4.3 F. The capacitor is designed for automotive applications to attain ...

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The size of the multilayer ceramic capacitor market is presently the largest among the markets for various types of capacitors, namely aluminum electrolytic capacitors, tantalum electrolytic capacitors, and film capacitors. In 2008, 627.8 billion multilayer ceramic capacitors were shipped in Japan and domestic sales reached JPY305.9 billion (according to ...

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