

Discrete Capacitors Market Report by Type (Ceramic Capacitor, Aluminium Capacitor, Paper & Plastic AC & DC Film Capacitor, Tantalum Capacitor, and Others), Application (Telecommunication, Computers, Consumer Electronics, Automotive, Aerospace and Defense, and Others), and Region 2023-2028

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Abstracts

The global discrete capacitors market size reached US\$ 8.9 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 11.0 Billion by 2028, exhibiting a growth rate (CAGR) of 3.6% during 2022-2028.

Discrete capacitors are electrical components that store energy and hold positive and negative energy on two separate plates separated by an insulator. They are generally made from materials including plastic, ceramic, glass, porcelain, and mica. They are used in power supply units (PSUs) that smooth out voltage through filter ripple. They are commonly utilized for coupling signals between stages of amplifiers and in power supply systems of various electronic devices. Discrete capacitors discharge and preserve charges with minimal loss of energy and have a long service life as compared to other batteries. They find extensive applications in the automotive, medical, telecommunications, aerospace, and defense industries.

The increasing installation of heating, ventilation, and air conditioning (HVAC) systems in residential, commercial, and industrial spaces represents one of the major factors positively influencing the demand for discrete capacitors worldwide. In addition, the rising demand for efficient devices for supplying and transmitting electricity across various industries is contributing to the market growth. Moreover, discrete capacitors are employed in the automotive industry for effectively charging systems. This, in confluence with the escalating demand for hybrid and electric vehicles (H/EVs) due to growing concerns about carbon emissions, is driving the market. Besides this,

increasing environmental concerns and energy security among the masses are boosting the adoption of renewable energy and smart grids around the world. This, along with the rising sales of consumer electronic products like smartphones, laptops, and smart wearables, is propelling the market growth. Furthermore, the integration of the Internet of Things (IoT) and sensor devices are anticipated to offer lucrative growth opportunities to industry players.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global discrete capacitors market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type and application.

Breakup by Type:

Ceramic Capacitor

Aluminium Capacitor

Paper & Plastic AC & DC Film Capacitor

Tantalum Capacitor

Others

Ceramic capacitors dominate the market as they are reliable and available in various shapes and sizes.

Breakup by Application:

Telecommunication

Computers

Consumer Electronics

Automotive

Aerospace and Defense

Others

Discrete capacitors find extensive application in consumer electronics.

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

The Asia Pacific holds the majority of the global discrete capacitors market share as it is one of the biggest manufacturers of discrete capacitors.

Competitive Landscape:

The competitive landscape of the market has been analyzed in the report, along with the detailed profiles of the major players operating in the industry. Some of these players are AFM Microelectronics Inc., American Technical Ceramics Corporation (Kyocera), AVX Corporation (Kyocera), KEMET Corporation (Yageo Corporation), Matsuo Electric Co. Ltd. (Nippon Chemi-Con Corp.), Maxwell Technologies (Tesla Inc.), Murata Manufacturing, Taiyo Yuden and TDK Ltd.

Key Questions Answered in This Report

1. What was the size of the global discrete capacitors market in 2022?
2. What is the expected growth rate of the global discrete capacitors market during 2023-2028?
3. What are the key factors driving the global discrete capacitors market?
4. What has been the impact of COVID-19 on the global discrete capacitors market?
5. What is the breakup of the global discrete capacitors market based on the type?
6. What is the breakup of the global discrete capacitors market based on the application?
7. What are the key regions in the global discrete capacitors market?
8. Who are the key players/companies in the global discrete capacitors market?

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