

# Discrete Capacitors Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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## Abstracts

The global discrete capacitors market reached a value of US\$ 8.5 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 11.0 Billion by 2027, exhibiting a CAGR of 4.5% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use industries. These insights are included in the report as a major market contributor.

A discrete capacitor refers to a compact rechargeable battery used to store energy in the form of electric charges. Some of the commonly used discrete capacitors include low-loss devices with high capacitance stability; medium-loss devices that are used for coupling, decoupling, interference suppression and power separation; and electrolytic devices with high-level capacitance and relatively smaller sizes. They are primarily used for coupling signals between stages of amplifiers and in power supply systems of various electronic devices as they discharge and preserve charges with minimal loss of energy. As a result, these capacitors find extensive applications across several industries, such as automotive, medical, telecommunications, aerospace and defense.

The increasing automation across industries represents one of the key factors driving the growth of the market. Furthermore, the widespread adoption of discrete capacitors by the renewable energy sector is also driving the market growth. These capacitors are used in windmills to provide short bursts of heavy force exertion to reach altering blade pitch. Highly durable ceramic-based capacitors are also used for protecting electrical components from external impacts, which, in turn, is contributing to the market growth. Additionally, various technological advancements, such as the integration of sensors and capacitors with the Internet of Things (IoT), are acting as other growth-inducing

factors. Discrete capacitors are extensively used in smartphones, smart wearables, smart home systems and automated cars to facilitate data transfer over a wired or wireless network without human intervention. Other factors, including the increasing miniaturization of consumer electronics, along with the widespread adoption of these capacitors in the heating, ventilation and air conditioning (HVAC) systems, are anticipated to drive the market further.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global discrete capacitors market, along with forecasts at the global and regional level from 2022-2027. 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

#### Breakup by Application:

- Telecommunication
- Computers
- Consumer Electronics
- Automotive
- Aerospace and Defense
- Others

#### 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

#### Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being 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:

How has the global discrete capacitors market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global discrete capacitors market?

What are the key regional markets?

What is the breakup of the market based on the type?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global discrete capacitors market and who are the key players?

What is the degree of competition in the industry?

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