

# **Global DBC Ceramic Substrate Market Size study with COVID-19 impact, by Type (AlN DBC Ceramic Substrate, Al<sub>2</sub>O<sub>3</sub> DBC Ceramic Substrate), by Application (Power Electronics, Automotive, Home Appliances and CPV, Aerospace, Others) and Regional Forecasts 2020-2026**

<https://marketpublishers.com/r/G0C08A2300FEEN.html>

Date: May 2020

Pages: 200

Price: US\$ 3,218.00 (Single User License)

ID: G0C08A2300FEEN

## **Abstracts**

Global DBC Ceramic Substrate Market is valued approximately USD 160 million in 2019 and is anticipated to grow with a healthy growth rate of more than 10% over the forecast period 2020-2026. DBC (Direct Bonded Copper) substrates are comprised of an Al<sub>2</sub>O<sub>3</sub> or AlN and ceramic insulator against which absolute copper metal is enclosed by a high temperature eutectic melting process and thereby, firmly and tightly joined to the ceramic. DCB ceramic substrates have a high thermal conductivity, exceptional solderability, high strength and excellent electrical insulation. Thus, it is considered as an integral material for the design and technology of linking high-power semiconductor electronic circuits, and also suited as the basis for the technology 'Chip On Board' (COB), which represents the increasing utility of DCB ceramic substrates in the upcoming years. Increasing utility of home appliances and rising investment on printed circuit boards are the few factors responsible for high CAGR of the market over the forecast period. For instance: In 2018, Wistron (Taipei city, Taiwan) had invested USD 1.0 billion to set-up PC board manufacturing unit in Bengaluru. Also, In 2015, Ion science (Cambridgeshire, UK) had invested nearly USD 2,79,924 setting up an in-house printed circuit board (PCB) department. This, in turn, is expected to accelerate the demand for DBC Ceramic Substrate, thus contributing to the growth of the global market. However, in the recent year, the whole world has undergone the COVID-19 crisis thus, each sector of economy is facing various consequences such as production reduction, supply disruptions, and more. For this reason, the utility of DCB ceramic

substrate is expected to decline around the world. In addition, fluctuating prices of raw material and lack of awareness are the major factors expected to hamper the growth of the market over the forecast period of 2020-2026. The regional analysis of global DBC Ceramic Substrate market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World.

Major market player included in this report are:

Rogers/Ceramik

NGK Electronics Devices

KCC

Heraeus Electronics

Tong Hsing

Ferrotec (Shanghai Shenhe)

Nanjing Zhongjiang

Remtec

Zibo Linzi Yinhe

Stellar Industries Corp

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:

AlN DBC Ceramic Substrate

Al<sub>2</sub>O<sub>3</sub> DBC Ceramic Substrate

By Application:

Power Electronics

Automotive

Home Appliances and CPV

Aerospace

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

Asia Pacific

China

India

Japan

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2016, 2017, 2018

Base year – 2019

Forecast period – 2020 to 2026

Target Audience of the Global DBC Ceramic Substrate Market 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

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2018-2026 (USD Million)
  - 1.2.1. DBC Ceramic Substrate Market, by Region, 2018-2026 (USD Million)
  - 1.2.2. DBC Ceramic Substrate Market, by Type, 2018-2026 (USD Million)
  - 1.2.3. DBC Ceramic Substrate Market, by Application, 2018-2026 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. GLOBAL DBC CERAMIC SUBSTRATE MARKET DEFINITION AND SCOPE**

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### **CHAPTER 3. GLOBAL DBC CERAMIC SUBSTRATE MARKET DYNAMICS**

- 3.1. DBC Ceramic Substrate Market Impact Analysis (2018-2026)
  - 3.1.1. Market Drivers
  - 3.1.2. Market Challenges
  - 3.1.3. Market Opportunities

### **CHAPTER 4. GLOBAL DBC CERAMIC SUBSTRATE MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry

- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2016-2026)
- 4.2. PEST Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL DBC CERAMIC SUBSTRATE MARKET, BY TYPE**

- 5.1. Market Snapshot
- 5.2. Global DBC Ceramic Substrate Market by Type, Performance - Potential Analysis
- 5.3. Global DBC Ceramic Substrate Market Estimates & Forecasts by Type 2016-2026 (USD Million)
- 5.4. DBC Ceramic Substrate Market, Sub Segment Analysis
  - 5.4.1. AlN DBC Ceramic Substrate
  - 5.4.2. Al<sub>2</sub>O<sub>3</sub> DBC Ceramic Substrate

## **CHAPTER 6. GLOBAL DBC CERAMIC SUBSTRATE MARKET, BY APPLICATION**

- 6.1. Market Snapshot
- 6.2. Global DBC Ceramic Substrate Market by Application, Performance - Potential Analysis
- 6.3. Global DBC Ceramic Substrate Market Estimates & Forecasts by Application 2016-2026 (USD Million)
- 6.4. DBC Ceramic Substrate Market, Sub Segment Analysis
  - 6.4.1. Power Electronics
  - 6.4.2. Automotive
  - 6.4.3. Home Appliances and CPV
  - 6.4.4. Aerospace
  - 6.4.5. Others

## **CHAPTER 7. GLOBAL DBC CERAMIC SUBSTRATE MARKET, REGIONAL ANALYSIS**

- 7.1. DBC Ceramic Substrate Market, Regional Market Snapshot
- 7.2. North America DBC Ceramic Substrate Market
  - 7.2.1. U.S. DBC Ceramic Substrate Market

- 7.2.1.1. Type breakdown estimates & forecasts, 2016-2026
- 7.2.1.2. Application breakdown estimates & forecasts, 2016-2026
- 7.2.2. Canada DBC Ceramic Substrate Market
- 7.3. Europe DBC Ceramic Substrate Market Snapshot
  - 7.3.1. U.K. DBC Ceramic Substrate Market
  - 7.3.2. Germany DBC Ceramic Substrate Market
  - 7.3.3. Rest of Europe DBC Ceramic Substrate Market
- 7.4. Asia-Pacific DBC Ceramic Substrate Market Snapshot
  - 7.4.1. China DBC Ceramic Substrate Market
  - 7.4.2. India DBC Ceramic Substrate Market
  - 7.4.3. Japan DBC Ceramic Substrate Market
  - 7.4.4. Rest of Asia Pacific DBC Ceramic Substrate Market
- 7.5. Latin America DBC Ceramic Substrate Market Snapshot
  - 7.5.1. Brazil DBC Ceramic Substrate Market
  - 7.5.2. Mexico DBC Ceramic Substrate Market
- 7.6. Rest of The World DBC Ceramic Substrate Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

- 8.1. Top Market Strategies
- 8.2. Company Profiles
  - 8.2.1. Rogers/Ceramik
    - 8.2.1.1. Key Information
    - 8.2.1.2. Overview
    - 8.2.1.3. Financial (Subject to Data Availability)
    - 8.2.1.4. Product Summary
    - 8.2.1.5. Recent Developments
  - 8.2.2. NGK Electronics Devices
  - 8.2.3. KCC
  - 8.2.4. Heraeus Electronics
  - 8.2.5. Tong Hsing
  - 8.2.6. Ferrotec (Shanghai Shenhe)
  - 8.2.7. Nanjing Zhongjiang
  - 8.2.8. Remtec
  - 8.2.9. Zibo Linzi Yinhe
  - 8.2.10. Stellar Industries Corp

## **CHAPTER 9. RESEARCH PROCESS**

## 9.1. Research Process

### 9.1.1. Data Mining

### 9.1.2. Analysis

### 9.1.3. Market Estimation

### 9.1.4. Validation

### 9.1.5. Publishing

## 9.2. Research Attributes

## 9.3. Research Assumption

## List Of Tables

### LIST OF TABLES

TABLE 1. LIST OF SECONDARY SOURCES, USED IN THE STUDY OF GLOBAL DBC CERAMIC SUBSTRATE MARKET

TABLE 2. LIST OF PRIMARY SOURCES, USED IN THE STUDY OF GLOBAL DBC CERAMIC SUBSTRATE MARKET

TABLE 3. GLOBAL DBC CERAMIC SUBSTRATE MARKET, REPORT SCOPE

TABLE 4. YEARS CONSIDERED FOR THE STUDY

TABLE 5. EXCHANGE RATES CONSIDERED

TABLE 6. GLOBAL DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY REGION 2016-2026 (USD MILLION)

TABLE 7. GLOBAL DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY TYPE 2016-2026 (USD MILLION)

TABLE 8. GLOBAL DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY APPLICATION 2016-2026 (USD MILLION)

TABLE 9. GLOBAL DBC CERAMIC SUBSTRATE MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 10. GLOBAL DBC CERAMIC SUBSTRATE MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 11. GLOBAL DBC CERAMIC SUBSTRATE MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 12. GLOBAL DBC CERAMIC SUBSTRATE MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 13. GLOBAL DBC CERAMIC SUBSTRATE MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 14. GLOBAL DBC CERAMIC SUBSTRATE MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 15. GLOBAL DBC CERAMIC SUBSTRATE MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 16. GLOBAL DBC CERAMIC SUBSTRATE MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 17. GLOBAL DBC CERAMIC SUBSTRATE MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 18. GLOBAL DBC CERAMIC SUBSTRATE MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 19. U.S. DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)



TABLE 20. U.S. DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 21. U.S. DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 22. CANADA DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 23. CANADA DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 24. CANADA DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 25. UK DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 26. UK DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 27. UK DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 28. GERMANY DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 29. GERMANY DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 30. GERMANY DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 31. ROE DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 32. ROE DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 33. ROE DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 34. CHINA DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 35. CHINA DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 36. CHINA DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 37. INDIA DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 38. INDIA DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 39. INDIA DBC CERAMIC SUBSTRATE MARKET ESTIMATES &

FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 40. JAPAN DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 41. JAPAN DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 42. JAPAN DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 43. ROAPAC DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 44. ROAPAC DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 45. ROAPAC DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 46. BRAZIL DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 47. BRAZIL DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 48. BRAZIL DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 49. MEXICO DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 50. MEXICO DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 51. MEXICO DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 52. ROLA DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 53. ROLA DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 54. ROLA DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 55. ROW DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 56. ROW DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 57. ROW DBC CERAMIC SUBSTRATE MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

## List Of Figures

### LIST OF FIGURES

FIG 1. GLOBAL DBC CERAMIC SUBSTRATE MARKET, RESEARCH METHODOLOGY

FIG 2. GLOBAL DBC CERAMIC SUBSTRATE MARKET, MARKET ESTIMATION TECHNIQUES

FIG 3. GLOBAL MARKET SIZE ESTIMATES & FORECAST METHODS

FIG 4. GLOBAL DBC CERAMIC SUBSTRATE MARKET, KEY TRENDS 2019

FIG 5. GLOBAL DBC CERAMIC SUBSTRATE MARKET, GROWTH PROSPECTS 2020-2026

FIG 6. GLOBAL DBC CERAMIC SUBSTRATE MARKET, PORTERS 5 FORCE MODEL

FIG 7. GLOBAL DBC CERAMIC SUBSTRATE MARKET, PEST ANALYSIS

FIG 8. GLOBAL DBC CERAMIC SUBSTRATE MARKET, VALUE CHAIN ANALYSIS

FIG 9. GLOBAL DBC CERAMIC SUBSTRATE MARKET BY SEGMENT, 2016 & 2026 (USD MILLION)

FIG 10. GLOBAL DBC CERAMIC SUBSTRATE MARKET BY SEGMENT, 2016 & 2026 (USD MILLION)

FIG 11. GLOBAL DBC CERAMIC SUBSTRATE MARKET BY SEGMENT, 2016 & 2026 (USD MILLION)

FIG 12. GLOBAL DBC CERAMIC SUBSTRATE MARKET BY SEGMENT, 2016 & 2026 (USD MILLION)

FIG 13. GLOBAL DBC CERAMIC SUBSTRATE MARKET BY SEGMENT, 2016 & 2026 (USD MILLION)

FIG 14. GLOBAL DBC CERAMIC SUBSTRATE MARKET, REGIONAL SNAPSHOT 2016 & 2026

FIG 15. NORTH AMERICA DBC CERAMIC SUBSTRATE MARKET 2016 & 2026 (USD MILLION)

FIG 16. EUROPE DBC CERAMIC SUBSTRATE MARKET 2016 & 2026 (USD MILLION)

FIG 17. ASIA PACIFIC DBC CERAMIC SUBSTRATE MARKET 2016 & 2026 (USD MILLION)

FIG 18. LATIN AMERICA DBC CERAMIC SUBSTRATE MARKET 2016 & 2026 (USD MILLION)

FIG 19. GLOBAL DBC CERAMIC SUBSTRATE MARKET, COMPANY MARKET SHARE ANALYSIS (2019)

### COMPANIES MENTIONED

Rogers/Curamik  
NGK Electronics Devices  
KCC  
Heraeus Electronics  
Tong Hsing  
Ferrotec (Shanghai Shenhe)  
Nanjing Zhongjiang  
Remtec  
Zibo Linzi Yinhe  
Stellar Industries Corp

## I would like to order

Product name: Global DBC Ceramic Substrate Market Size study with COVID-19 impact, by Type (AlN DBC Ceramic Substrate, Al<sub>2</sub>O<sub>3</sub> DBC Ceramic Substrate), by Application (Power Electronics, Automotive, Home Appliances and CPV, Aerospace, Others) and Regional Forecasts 2020-2026

Product link: <https://marketpublishers.com/r/G0C08A2300FEEN.html>

Price: US\$ 3,218.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G0C08A2300FEEN.html>