

Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Market, Global Outlook and Forecast 2022-2028

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Abstracts

Gallium nitride (GaN) is a binary III/V direct bandgap semiconductor. Because GaN transistors can operate at much higher temperatures and work at much higher voltages than gallium arsenide (GaAs) transistors, they make ideal power amplifiers at microwave frequencies. GaN on GaN substrate have homo-substrate as the base whereas the templates have the GaN film over the foreign substrates.

This report contains market size and forecasts of Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) in global, including the following market information:

Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Market Sales, 2017-2022, 2023-2028, (Kilotons)

Global top five Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) companies in 2021 (%)

The global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

4H-SiC Substrate Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) include Cree Inc., Mitsubishi Chemical, Kyocera Corporation, Plessey Semiconductors, IQE Ipc, MonoCrystal, Sumco Corp, Sumitomo Electric Industries, Ltd and Hitachi Metals Ltd and etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (Kilotons)

Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Market Segment Percentages, by Type, 2021 (%)

4H-SiC Substrate

6H-SiC Substrate

GaN-on-Si Substrate

Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (Kilotons)

Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Market Segment Percentages, by Application, 2021 (%)

Consumer Electronics

Communication

Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Market,
By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (Kilotons)

Global Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) Market
Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) revenues share in global market, 2021 (%)

Key companies Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) sales in global market, 2017-2022 (Estimated), (Kilotons)

Key companies Gallium Nitride (GaN) Hi-Frequency Substrate (for 5G Communication) sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Cree Inc.

Mitsubishi Chemical

Kyocera Corporation

Plessey Semiconductors

IQE Inc

MonoCrystal

Sumco Corp

Sumitomo Electric Industries, Ltd

Hitachi Metals Ltd

DowCorning

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