

Global Discrete Devices for RF Microwave Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Discrete Devices for RF Microwave market size was valued at US\$ 5115 million in 2025 and is forecast to a readjusted size of US\$ 8885 million by 2032 with a CAGR of 8.3% during review period.

RF and microwave discrete devices mainly include diodes (SBD, etc.) and transistors (MOSFET, FET, BJT, etc.). The downstream applications of different products also vary. For example, Renesas Electronics' RF and microwave discrete devices mainly include bijnction transistors, SiGe HBT, GaAs FET, HJ-FET, MOSFET, etc. Among them, SiGe HBT models mainly include NESG series products such as NESG2021M05 and NESG2021M16. . Globally, the head market of RF and microwave discrete devices is still mainly occupied by American, European and Japanese companies, with the global TOP5 companies accounting for more than 66%.

This report is a detailed and comprehensive analysis for global Discrete Devices for RF Microwave market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Discrete Devices for RF Microwave market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Discrete Devices for RF Microwave market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Discrete Devices for RF Microwave market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Discrete Devices for RF Microwave market shares of main players, in revenue (\$ Million), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Discrete Devices for RF Microwave

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Discrete Devices for RF Microwave market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Infineon, Skyworks, Microchip Technology, MACOM, Toshiba, Onsemi, NXP, ROHM, Diodes, Nexperia, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

Discrete Devices for RF Microwave market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Transistors

Diodes

Market segment by Application

Automotive

Satellite Communications

Military

Mobile Communications

Medical

Others

Market segment by players, this report covers

Infineon

Skyworks

Microchip Technology

MACOM

Toshiba

Onsemi

NXP

ROHM

Diodes

Nexperia

Renesas Electronics

Ampleon

Qorvo

Vishay

Mitsubishi Electric

Littelfuse (IXYS)

Micro Commercial Components

M-Pulse Microwave

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Discrete Devices for RF Microwave product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Discrete Devices for RF Microwave, with revenue, gross margin, and global market share of Discrete Devices for RF Microwave from 2021 to 2026.

Chapter 3, the Discrete Devices for RF Microwave competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and Discrete Devices for RF Microwave market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Discrete Devices for RF Microwave.

Chapter 13, to describe Discrete Devices for RF Microwave research findings and conclusion.

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