

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Varactor Diodes Market 2018, Forecast to 2023

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Abstracts

Varactor Diodes also known as a variable capacitance diode, varicap diode or variable reactance diode, is a diode that has a variable capacitance which is a function of the voltage that is impressed on its terminals. Tuning / varactor diodes are operated reverse-biased, and therefore no current flows. However, since the thickness of the depletion zone varies with the applied bias voltage, the capacitance of the diode can be made to vary. Usually, the capacitance is inversely proportional to the depletion region thickness and the depletion region thickness is proportional to the square root of the applied voltage. Therefore, the capacitance is inversely proportional to the square root of the voltage applied to the diode.

SCOPE OF THE REPORT:

This report focuses on the Varactor Diodes in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

This report is focused on global varactor diode market. Varactor diodes are semiconductor devices that are widely used in the electronics industry and are used in many applications where a voltage controlled variable capacitance is required. They provide a method of varying the capacitance within a circuit by the application of a control voltage.

The global varactor diodes market size is estimated to reach 4894.44 Million Pieces in 2016, growing at a CAGR of 4.49% from 2012 to 2017. Global varactor diodes market revenue is estimated to reach \$ 629.65 million by the end of 2017 and is expected to reach USD 732.76 million by 2022, with a CAGR of 4.86% from 2017 to 2022.

The production market is relatively concentrated. Major manufacturing regions is

concentrated in the China, USA and Europe. China is the largest production area, with an annual production volume of 1262.97 Million Pieces in 2016, taking about 31% of total market output. USA and Europe followed as the second and third market production area, with market share of 22.95% and 18.85% separately.

The worldwide market for Varactor Diodes is expected to grow at a CAGR of roughly 3.1% over the next five years, will reach 760 million US\$ in 2023, from 630 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Microsemi

Infineon

MACOM

NXP

ON Semiconductors

API Technologies

Cobham

Skyworks Solutions

Toshiba

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

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

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

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

VR ? 20V

20V

VR > 30V

Market Segment by Applications, can be divided into

Voltage Controlled Oscillators

RF Filters

Others

There are 15 Chapters to deeply display the global Varactor Diodes market.

Chapter 1, to describe Varactor Diodes Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Varactor Diodes, with sales, revenue, and price of Varactor Diodes, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Varactor Diodes, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Varactor Diodes market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Varactor Diodes sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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