

# **Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Voltage Controlled Crystal Oscillator (VCXO) Market 2018, Forecast to 2023**

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## **Abstracts**

A VCXO (voltage controlled crystal oscillator) is a crystal oscillator which includes a varactor diode and associated circuitry allowing the frequency to be changed by application of a voltage across that diode. This can be accomplished in a simple clock or sinewave crystal oscillator, a TCXO (resulting in a TC/VCXO temperature compensated voltage controlled crystal oscillator), or an oven controlled type (resulting in an OC/VCXO-oven controlled voltage crystal oscillator).

Scope of the Report:

This report focuses on the Voltage Controlled Crystal Oscillator (VCXO) 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.

With the development of science and technology, the market of Voltage Controlled Crystal Oscillator is great. And in the high-technology ecosystem, the Voltage Controlled Crystal Oscillator industry offers many benefits to the world, especially to the undeveloped countries.

A key competitive advantage of Voltage Controlled Crystal Oscillator has been the development and use of leadership products such as the new generated application processors. The US has many areas of strength in new electronics technology because the country has several strong Voltage Controlled Crystal Oscillator companies.

Japan is stronger than US in Voltage Controlled Crystal Oscillator industry. And Japan has a large export volume. Voltage Controlled Crystal Oscillator companies also have a large headcount in R&D, which provides employment to highly skilled and experienced engineers.

China also consumes a high percentage of imported Voltage Controlled Crystal Oscillators, yet, if market forces are allowed to continue, foreign companies will supply 70 percent of the Voltage Controlled Crystal Oscillator consumed in China.

At present, Voltage Controlled Crystal Oscillators mainly applied in Communication Equipment, Industrial Equipment. It is certain that climate test chamber would help human being to go further. Besides, Voltage Controlled Crystal Oscillators also have many other potential applications around the way.

So USA, Japan and Europe are the major production regions of Voltage Controlled Crystal Oscillator in recent year.

The worldwide market for Voltage Controlled Crystal Oscillator (VCXO) is expected to grow at a CAGR of roughly 1.6% over the next five years, will reach 1070 million US\$ in 2023, from 970 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Epson

NDK America Inc.

Vectron

Crystek

Bliley Technologies Inc.

Abracon

CTS

Pletronics

Rakon

Microchip

IDT(Integrated Device Technologies)

AVX

ON Semiconductor

Silicon Laboratories

Ecliptek

SiTime

TXC Corporation

kyocera Kinseki

Bomar Crystal Company

Cardinal Components

IQD Frequency Products

NEL Frequency Controls Inc.

Taitien

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

Output PECL

Output CMOS

Output SINEWAVE

Market Segment by Applications, can be divided into

Communication Equipment

Industrial Instrument

There are 15 Chapters to deeply display the global Voltage Controlled Crystal Oscillator (VCXO) market.

Chapter 1, to describe Voltage Controlled Crystal Oscillator (VCXO) Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Voltage Controlled Crystal Oscillator (VCXO), with sales, revenue, and price of Voltage Controlled Crystal Oscillator (VCXO), 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 Voltage Controlled Crystal Oscillator (VCXO), 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, Voltage Controlled Crystal Oscillator (VCXO) market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Voltage Controlled Crystal Oscillator (VCXO) sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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