

# Global VCO (Voltage Controlled Oscillator) Market Analysis 2013-2018 and Forecast 2019-2024

<https://marketpublishers.com/r/G6461EA327EEN.html>

Date: March 2019

Pages: 117

Price: US\$ 2,980.00 (Single User License)

ID: G6461EA327EEN

## Abstracts

### SNAPSHOT

A voltage-controlled oscillator or VCO is an electronic oscillator whose oscillation frequency is controlled by a voltage input. The applied input voltage determines the instantaneous oscillation frequency. Consequently, modulating signals applied to control input may cause frequency modulation (FM) or phase modulation (PM). A VCO may also be part of a phase-locked loop.

The global VCO (Voltage Controlled Oscillator) market will reach xxx Million USD in 2019 and CAGR xx% 2019-2024. The report begins from overview of Industry Chain structure, and describes industry environment, then analyses market size and forecast of VCO (Voltage Controlled Oscillator) by product, region and application, in addition, this report introduces market competition situation among the vendors and company profile, besides, market price analysis and value chain features are covered in this report.

Product Type Coverage (Market Size & Forecast, Major Company of Product Type etc.):

Quartz Oscillator

Silicon Oscillator

Company Coverage (Sales Revenue, Price, Gross Margin, Main Products etc.):

SiTime

Epson

TXC

KDS Daishinku

KYOCERA Crystal Device

Silicon Labs

Fox Enterprises

Interquip

Fronter Electronics

JTC

SJK

ON Semiconductor

Z-Communications

MACOM

Crystek

MARUWA

FUJITSU

Analog Devices

Semtech

Linear Technology

RFMD

Synergy Microwave

BOWEI

Seekon Microwave

New Chengshi Electronic

Application Coverage (Market Size & Forecast, Different Demand Market by Region, Main Consumer Profile etc.):

Consumer Electronics

Networking & Telecom

Industrial

Region Coverage (Regional Production, Demand & Forecast by Countries etc.):

North America (U.S., Canada, Mexico)

Europe (Germany, U.K., France, Italy, Russia, Spain etc.)

Asia-Pacific (China, India, Japan, Southeast Asia etc.)

South America (Brazil, Argentina etc.)

Middle East & Africa (Saudi Arabia, South Africa etc.)

## Contents

### **1 INDUSTRY OVERVIEW**

- 1.1 VCO (Voltage Controlled Oscillator) Industry
  - 1.1.1 Overview
  - 1.1.2 Development of VCO (Voltage Controlled Oscillator)
- 1.2 Market Segment
  - 1.2.1 Upstream
  - 1.2.2 Downstream
- 1.3 Cost Analysis

### **2 INDUSTRY ENVIRONMENT (PEST ANALYSIS)**

- 2.1 Policy
- 2.2 Economics
- 2.3 Sociology
- 2.4 Technology

### **3 VCO (VOLTAGE CONTROLLED OSCILLATOR) MARKET BY TYPE**

- 3.1 By Type
  - 3.1.1 Quartz Oscillator
  - 3.1.2 Silicon Oscillator
- 3.2 Market Size
- 3.3 Market Forecast

### **4 MAJOR COMPANIES LIST**

#### **4.VCO (VOLTAGE CONTROLLED OSCILLATOR) SITIME (COMPANY PROFILE, SALES DATA ETC.)**

- 4.2 Epson (Company Profile, Sales Data etc.)
- 4.3 TXC (Company Profile, Sales Data etc.)
- 4.4 KDS Daishinku (Company Profile, Sales Data etc.)
- 4.5 KYOCERA Crystal Device (Company Profile, Sales Data etc.)
- 4.6 Silicon Labs (Company Profile, Sales Data etc.)
- 4.7 Fox Enterprises (Company Profile, Sales Data etc.)
- 4.8 Interquip (Company Profile, Sales Data etc.)

- 4.9 Fronter Electronics (Company Profile, Sales Data etc.)
- 4.10 JTC (Company Profile, Sales Data etc.)
- 4.11 SJK (Company Profile, Sales Data etc.)
- 4.12 ON Semiconductor (Company Profile, Sales Data etc.)
- 4.13 Z-Communications (Company Profile, Sales Data etc.)
- 4.14 MACOM (Company Profile, Sales Data etc.)
- 4.15 Crystek (Company Profile, Sales Data etc.)
- 4.16 MARUWA (Company Profile, Sales Data etc.)
- 4.17 FUJITSU (Company Profile, Sales Data etc.)
- 4.18 Analog Devices (Company Profile, Sales Data etc.)
- 4.19 Semtech (Company Profile, Sales Data etc.)
- 4.20 Linear Technology (Company Profile, Sales Data etc.)
- 4.21 RFMD (Company Profile, Sales Data etc.)
- 4.22 Synergy Microwave (Company Profile, Sales Data etc.)
- 4.23 BOWEI (Company Profile, Sales Data etc.)
- 4.24 Seekon Microwave (Company Profile, Sales Data etc.)
- 4.25 New Chengshi Electronic (Company Profile, Sales Data etc.)

## **5 MARKET COMPETITION**

- 5.1 Company Competition
- 5.2 Regional Market by Company

## **6 DEMAND BY END MARKET**

- 6.1 Demand Situation
  - 6.1.1 Demand in Consumer Electronics
  - 6.1.2 Demand in Networking & Telecom
  - 6.1.3 Demand in Industrial
- 6.2 Regional Demand Comparison
- 6.3 Demand Forecast

## **7 REGION OPERATION**

- 7.1 Regional Production
- 7.2 Regional Market
- 7.3 by Region
  - 7.3.1 North America
    - 7.3.1.1 Overview

7.3.1.2 by Country (U.S., Canada, Mexico)

7.3.2 Europe

7.3.2.1 Overview

7.3.2.2 by Country (Germany, U.K., France, Italy, Russia, Spain etc.)

7.3.3 Asia-Pacific

7.3.3.1 Overview

7.3.3.2 by Country (China, India, Japan, Southeast Asia etc.)

7.3.4 South America

7.3.4.1 Overview

7.3.4.2 by Country (Brazil, Argentina etc.)

7.3.5 Middle East & Africa

7.3.5.1 Overview

7.3.5.2 by Country (Saudi Arabia, South Africa etc.)

7.4 Regional Import & Export

7.5 Regional Forecast

## **8 MARKETING & PRICE**

8.1 Price and Margin

8.1.1 Price Trends

8.1.2 Factors of Price Change

8.1.3 Manufacturers Gross Margin Analysis

8.2 Marketing Channel

## **9 RESEARCH CONCLUSION**

## List Of Tables

### LIST OF TABLES

- Table Upstream Segment of VCO (Voltage Controlled Oscillator)
- Table Application Segment of VCO (Voltage Controlled Oscillator)
- Table Global VCO (Voltage Controlled Oscillator) Market 2013-2024, by Application, in USD Million
- Table Major Company List of Quartz Oscillator
- Table Major Company List of Silicon Oscillator
- Table Global VCO (Voltage Controlled Oscillator) Market 2013-2018, by Type, in USD Million
- Table Global VCO (Voltage Controlled Oscillator) Market 2013-2018, by Type, in Volume
- Table Global VCO (Voltage Controlled Oscillator) Market Forecast 2019-2024, by Type, in USD Million
- Table Global VCO (Voltage Controlled Oscillator) Market Forecast 2019-2024, by Type, in Volume
- Table SiTime Overview List
- Table VCO (Voltage Controlled Oscillator) Business Operation of SiTime (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
- Table Epson Overview List
- Table VCO (Voltage Controlled Oscillator) Business Operation of Epson (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
- Table TXC Overview List
- Table VCO (Voltage Controlled Oscillator) Business Operation of TXC (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
- Table KDS Daishinku Overview List
- Table VCO (Voltage Controlled Oscillator) Business Operation of KDS Daishinku (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
- Table KYOCERA Crystal Device Overview List
- Table VCO (Voltage Controlled Oscillator) Business Operation of KYOCERA Crystal Device (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
- Table Silicon Labs Overview List
- Table VCO (Voltage Controlled Oscillator) Business Operation of Silicon Labs (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
- Table Fox Enterprises Overview List
- Table VCO (Voltage Controlled Oscillator) Business Operation of Fox Enterprises (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Interquip Overview List

Table VCO (Voltage Controlled Oscillator) Business Operation of Interquip (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Fronter Electronics Overview List

Table VCO (Voltage Controlled Oscillator) Business Operation of Fronter Electronics (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table JTC Overview List

Table VCO (Voltage Controlled Oscillator) Business Operation of JTC (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table SJK Overview List

Table VCO (Voltage Controlled Oscillator) Business Operation of SJK (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table ON Semiconductor Overview List

Table VCO (Voltage Controlled Oscillator) Business Operation of ON Semiconductor (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Z-Communications Overview List

Table VCO (Voltage Controlled Oscillator) Business Operation of Z-Communications (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table MACOM Overview List

Table VCO (Voltage Controlled Oscillator) Business Operation of MACOM (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Crystek Overview List

Table VCO (Voltage Controlled Oscillator) Business Operation of Crystek (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table MARUWA Overview List

Table VCO (Voltage Controlled Oscillator) Business Operation of MARUWA (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table FUJITSU Overview List

Table VCO (Voltage Controlled Oscillator) Business Operation of FUJITSU (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Analog Devices Overview List

Table VCO (Voltage Controlled Oscillator) Business Operation of Analog Devices (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Semtech Overview List

Table VCO (Voltage Controlled Oscillator) Business Operation of Semtech (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Linear Technology Overview List

Table VCO (Voltage Controlled Oscillator) Business Operation of Linear Technology (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)



Table RFMD Overview List

Table VCO (Voltage Controlled Oscillator) Business Operation of RFMD (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Synergy Microwave Overview List

Table VCO (Voltage Controlled Oscillator) Business Operation of Synergy Microwave (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table BOWEI Overview List

Table VCO (Voltage Controlled Oscillator) Business Operation of BOWEI (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Seekon Microwave Overview List

Table VCO (Voltage Controlled Oscillator) Business Operation of Seekon Microwave (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table New Chengshi Electronic Overview List

Table VCO (Voltage Controlled Oscillator) Business Operation of New Chengshi Electronic (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Global VCO (Voltage Controlled Oscillator) Sales Revenue 2013-2018, by Company, in USD Million

Table Global VCO (Voltage Controlled Oscillator) Sales Revenue Share, by Company, in USD Million

Table Global VCO (Voltage Controlled Oscillator) Sales Volume 2013-2018, by Company, in Volume

Table Global VCO (Voltage Controlled Oscillator) Sales Volume Share 2013-2018, by Company, in Volume

Table Major Consumers List and Overview

Table Regional Demand Comparison List

Table Major Application in Different Regions

Table VCO (Voltage Controlled Oscillator) Demand Forecast 2019-2024, by Application, in USD Million

Table VCO (Voltage Controlled Oscillator) Demand Forecast 2019-2024, by Application, in Volume

Table VCO (Voltage Controlled Oscillator) Production 2013-2018, by Region, in USD Million

Table VCO (Voltage Controlled Oscillator) Production 2013-2018, by Region, in Volume

Table Global VCO (Voltage Controlled Oscillator) Market 2013-2018, by Region, in USD Million

Table Global VCO (Voltage Controlled Oscillator) Market Share 2013-2018, by Region, in USD Million

Table Global VCO (Voltage Controlled Oscillator) Market 2013-2018, by Region, in Volume

Table Global VCO (Voltage Controlled Oscillator) Market Share 2013-2018, by Region, in Volume

Table North America VCO (Voltage Controlled Oscillator) Market Size 2013-2018, by Country, in USD Million

Table North America VCO (Voltage Controlled Oscillator) Market Size 2013-2018, by Country, in Volume

Table Europe VCO (Voltage Controlled Oscillator) Market Size 2013-2018, by Country, in USD Million

Table Europe VCO (Voltage Controlled Oscillator) Market Size 2013-2018, by Country, in Volume

Table Asia-Pacific VCO (Voltage Controlled Oscillator) Market Size 2013-2018, by Country, in USD Million

Table Asia-Pacific VCO (Voltage Controlled Oscillator) Market Size 2013-2018, by Country, in Volume

Table South America VCO (Voltage Controlled Oscillator) Market Size 2013-2018, by Country, in USD Million

Table South America VCO (Voltage Controlled Oscillator) Market Size 2013-2018, by Country, in Volume

Table Middle East & Africa VCO (Voltage Controlled Oscillator) Market Size 2013-2018, by Country, in USD Million

Table Middle East & Africa VCO (Voltage Controlled Oscillator) Market Size 2013-2018, by Country, in Volume

Table VCO (Voltage Controlled Oscillator) Market Forecast 2019-2024, by Region, in USD Million

Table VCO (Voltage Controlled Oscillator) Market Forecast 2019-2024, by Region, in Volume

Table Price Factors List

## List Of Figures

### LIST OF FIGURES

Figure Global VCO (Voltage Controlled Oscillator) Market Growth 2013-2018, by Type, in USD Million

Figure Global VCO (Voltage Controlled Oscillator) Market Growth 2013-2018, by Type, in Volume

Figure North America VCO (Voltage Controlled Oscillator) Market Concentration, in 2018

Figure Europe VCO (Voltage Controlled Oscillator) Market Market Concentration, in 2018

Figure Asia-Pacific VCO (Voltage Controlled Oscillator) MMarket Concentration, in 2018

Figure South America VCO (Voltage Controlled Oscillator) Market Concentration, in 2018

Figure Middle East & Africa VCO (Voltage Controlled Oscillator) Market Concentration, in 2018

Figure VCO (Voltage Controlled Oscillator) Demand in Consumer Electronics, 2013-2018, in USD Million

Figure VCO (Voltage Controlled Oscillator) Demand in Consumer Electronics, 2013-2018, in Volume

Figure VCO (Voltage Controlled Oscillator) Demand in Networking & Telecom, 2013-2018, in USD Million

Figure VCO (Voltage Controlled Oscillator) Demand in Networking & Telecom, 2013-2018, in Volume

Figure VCO (Voltage Controlled Oscillator) Demand in Industrial, 2013-2018, in USD Million

Figure VCO (Voltage Controlled Oscillator) Demand in Industrial, 2013-2018, in Volume

Figure North America VCO (Voltage Controlled Oscillator) Market Size and Growth 2013-2018, in USD Million

Figure North America VCO (Voltage Controlled Oscillator) Market Size and Growth 2013-2018, in Volume

Figure Europe VCO (Voltage Controlled Oscillator) Market Size and Growth 2013-2018, in USD Million

Figure Europe VCO (Voltage Controlled Oscillator) Market Size and Growth 2013-2018, in Volume

Figure Asia-Pacific VCO (Voltage Controlled Oscillator) Market Size and Growth 2013-2018, in USD Million

Figure Asia-Pacific VCO (Voltage Controlled Oscillator) Market Size and Growth

2013-2018, in Volume

Figure South America VCO (Voltage Controlled Oscillator) Market Size and Growth  
2013-2018, in USD Million

Figure South America VCO (Voltage Controlled Oscillator) Market Size and Growth  
2013-2018, in Volume

Figure Middle East & Africa VCO (Voltage Controlled Oscillator) Market Size and  
Growth 2013-2018, in USD Million

Figure Middle East & Africa VCO (Voltage Controlled Oscillator) Market Size and  
Growth 2013-2018, in Volume

Figure Marketing Channels Overview

## I would like to order

Product name: Global VCO (Voltage Controlled Oscillator) Market Analysis 2013-2018 and Forecast 2019-2024

Product link: <https://marketpublishers.com/r/G6461EA327EEN.html>

Price: US\$ 2,980.00 (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/G6461EA327EEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

