

Global Oscillator Market Research Report 2016

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Abstracts

This report studies Oscillator in Global market, especially in North America, Europe, China, Japan, Taiwan and India, focuses on top manufacturers in global market, with capacity, production, price, revenue and market share for each manufacturer, covering

TEXAS INSTRUMENT

Connor-Winfield Corporation

ON SEMICONDUCTOR

UARTZCOM the communications company

KYOCERA KINSEKI CORPOTATION

MTRONPTI

Abracon Corporation

TOREX SEMICONDUCTOR

ECS, INC.

VECTRON INTERNATIONAL, INC

ADVANCED CRYSTAL TECHNOLOGY

CRYTEK CORPORATION

EUROQUARTZ LIMITED

NIHON DEMPA KOGYO

CTS Corporation

RSG Electronic Components GmbH

Pletronics, Inc.

TAI-SAW TECHNOLOGY CO

MICORO CRYSTAL SWITZERLAND

Vaishali Semiconductor

Market Segment by Regions, this report splits Global into several key Regions, with production, consumption, revenue, market share and growth rate of Oscillator in these regions, from 2011 to 2021 (forecast), like

North America

China

Europe

Japan

Taiwan

India

Row

Split by Product Types, with production, revenue, price, market share and growth rate of each type, can be divided into

OCXO

HCSL

LVDS

LVPECL

HCMOS

LVC MOS

Others

PXO

HCSL

LVDS

LVPECL

HCMOS

LVC MOS

Others

TCXO

HCSL

LVDS

LVPECL

HCMOS

LVC MOS

Others

VCXO

HCSL

LVDS

LVPECL

HCMOS

LVC MOS

Others

Clock Oscillator

HCSL

LVDS

LVPECL

HCMOS

LVC MOS

Others

Split by applications, this report focuses on consumption, market share and growth rate of Oscillator in each application, can be divided into

Scientific Device

Consumer Electronics

Automotive

Aviation

Industrial Equipment

Control System Integrated Circuit

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1 Oscillator Market Overview

1.1 Product Overview and Scope of Oscillator

An electronic oscillator is an electronic circuit that produces a periodic, oscillating electronic signal, often a sine wave or a square wave. Oscillators convert direct current (DC) from a power supply to an alternating current (AC) signal. They are widely used in many electronic devices. Common examples of signals generated by oscillators include signals broadcast by radio and television transmitters, clock signals that regulate computers and quartz clocks, and the sounds produced by electronic beepers and video games.

Figure Picture of Oscillator

Source: QYR Electronics Research Center, Dec. 2016

1.2 Oscillator Segment by Types

1.2.1 Global Production Market Share of Oscillator by Types in 2015

Figure Global Production Market Share of Oscillator by Types in 2015

Source: QYR Electronics Research Center, Dec. 2016

Table Classification of Oscillator

Types

Feature

Description

1

2

3

Source: QYR Electronics Research Center, Dec. 2016

1.2.2 OCXO

Figure Product Picture of OCXO

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of OCXO

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

Source: Above Companies; QYR Electronics Research Center, Dec. 2016

1.2.2.1 HCSL

1.2.2.2 LVDS

1.2.2.3 LVPECL

1.2.2.4 HCMOS

1.2.2.5 LVCMOS

1.2.2.6 Others

1.2.3 SPXO

Figure Product Picture of SPXO

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of SPXO

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

Source: Above Companies; QYR Electronics Research Center, Dec. 2016

1.2.3.1 HCSL

1.2.3.2 LVDS

1.2.3.3 LVPECL

1.2.3.4 HCMOS

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1.2.3.6 Others

1.2.4 TCXO

Figure Product Picture of TCXO

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of TCXO

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

Source: Above Companies; QYR Electronics Research Center, Dec. 2016

1.2.4.1 HCSL

1.2.4.2 LVDS

1.2.4.3 LVPECL

1.2.4.4 HCMOS

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1.2.4.6 Others

1.2.5 VCXO

Figure Product Picture of VCXO

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of VCXO

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

Source: Above Companies; QYR Electronics Research Center, Dec. 2016

1.2.5.1 HCSL

1.2.5.2 LVDS

1.2.5.3 LVPECL

1.2.5.4 HCMOS

1.2.5.5 LVCMOS

1.2.5.6 Others

1.2.6 Clock Oscillator

Figure Product Picture of Clock Oscillator

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of Clock Oscillator

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

Source: Above Companies; QYR Electronics Research Center, Dec. 2016

1.2.6.1 HCSL

1.2.6.2 LVDS

1.2.6.3 LVPECL

1.2.6.4 HCMOS

1.2.6.5 LVCMOS

1.2.6.6 Others

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Table Oscillator Consumption Market Share by Applications in 2015

Source: QYR Electronics Research Center, Dec. 2016

Table Applications of Oscillator

Applications

Feature

Description

1

2

3

Source: QYR Electronics Research Center, Dec. 2016

1.3.2 Scientific Device

Scientific Device

Figure Scientific Device Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.3 Consumer Electronics

Consumer Electronics

Figure Consumer Electronics Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.4 Automotive

Automotive

Figure Automotive Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.5 Aviation

Aviation

Figure Aviation Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.6 Industrial Equipment

Industrial Equipment

Figure Industrial Equipment Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.7 Control System Integrated Circuit

Control System Integrated Circuit

Figure Control System Integrated Circuit Examples

Source: QYR Electronics Research Center, Dec. 2016

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Source: QYR Electronics Research Center, Dec. 2016

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Source: QYR Electronics Research Center, Dec. 2016

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Figure Taiwan Oscillator Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

1.4.6 India Status and Prospect (2011-2021)

Figure India Oscillator Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

1.4.7 Row Status and Prospect (2011-2021)

Figure Row Oscillator Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

1.5 Global Market Size (Value) of Oscillator (2011-2021)

Figure Global Oscillator Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

2 Global Oscillator Market Competition by Manufacturers

2.1 Global Oscillator Capacity, Production and Share by Manufacturers (2015 and 2016)

Table Global Oscillator Capacity of Key Manufacturers (2015 and 2016)

Capacity

TEXAS INSTRUMENT

Connor-Winfield Corporation

ON SEMICONDUCTOR

UARTZCOM the communications company

KYOCERA KINSEKI CORPOTATION

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table Global Oscillator Capacity Market Share of Key Manufacturers (2015 and 2016)

Capacity

TEXAS INSTRUMENT

Connor-Winfield Corporation

ON SEMICONDUCTOR

UARTZCOM the communications company

KYOCERA KINSEKI CORPOTATION

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure Global Oscillator Capacity of Key Manufacturers in 2015

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure Global Oscillator Capacity of Key Manufacturers in 2016

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table Global Oscillator Production of Key Manufacturers (2015 and 2016)

Production

TEXAS INSTRUMENT

Connor-Winfield Corporation

ON SEMICONDUCTOR

UARTZCOM the communications company

KYOCERA KINSEKI CORPOTATION

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table Global Oscillator Production Share by Manufacturers (2015 and 2016)

Production Share

2015

2016

TEXAS INSTRUMENT

Connor-Winfield Corporation

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure 2015 Oscillator Production Share by Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure 2016 Oscillator Production Share by Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.2 Global Oscillator Revenue and Share by Manufacturers (2015 and 2016)

Table Global Oscillator Revenue (Million USD) by Manufacturers (2015 and 2016)

Revenue

TEXAS INSTRUMENT

Connor-Winfield Corporation

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table Global Oscillator Revenue Share by Manufacturers (2015 and 2016)

Revenue Share

TEXAS INSTRUMENT

Connor-Winfield Corporation

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table 2015 Global Oscillator Revenue Share by Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table 2016 Global Oscillator Revenue Share by Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.3 Global Oscillator Average Price by Manufacturers (2015 and 2016)

Table Global Market Oscillator Average Price of Key Manufacturers (2015 and 2016)

TEXAS INSTRUMENT

Connor-Winfield Corporation

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure Global Market Oscillator Average Price of Key Manufacturers in 2015

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.4 Manufacturers Oscillator Manufacturing Base Distribution, Sales Area, Product Types

Table Manufacturers Oscillator Manufacturing Base Distribution and Sales Area

Manufacturing Base Distribution

Sales Area

TEXAS INSTRUMENT

Connor-Winfield Corporation

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table Manufacturers Oscillator Product Types

Product Types

TEXAS INSTRUMENT

Connor-Winfield Corporation

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.5 Oscillator Market Competitive Situation and Trends?

2.5.1 Oscillator Market Concentration Rate

2.5.2 Oscillator Market Share of Top 3 and Top 5 Manufacturers

Figure Oscillator Market Share of Top 3 Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure Oscillator Market Share of Top 5 Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.5.3 Mergers & Acquisitions, Expansion

3 Global Oscillator Capacity, Production, Revenue (Value) by Regions (2011-2016)

3.1 Global Oscillator Capacity and Market Share by Regions (2011-2016)

Table Global Oscillator Capacity by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Oscillator Capacity Market Share by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Oscillator Capacity Market Share by Regions (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Global Oscillator Capacity Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

3.2 Global Oscillator Production and Market Share by Regions (2011-2016)

Table Global Oscillator Production by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Oscillator Production and Market Share by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Oscillator Production Market Share by Regions (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Global Oscillator Production Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

3.3 Global Oscillator Revenue (Value) and Market Share by Regions (2011-2016)

Table Global Oscillator Revenue by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global Oscillator Revenue Market Share by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Table 2015 Global Oscillator Revenue Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

3.4 Global Oscillator Capacity, Production, Revenue, Price and Gross Margin
(2011-2016)

Table Global Oscillator Capacity, Production, Revenue, Price and Gross Margin
(2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.5 North America Oscillator Capacity, Production, Revenue, Price and Gross Margin
(2011-2016)

Table North America Oscillator Capacity, Production, Revenue, Price and Gross Margin
(2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.6 Europe Oscillator Capacity, Production, Revenue, Price and Gross Margin
(2011-2016)

Table Europe Oscillator Capacity, Production, Revenue, Price and Gross Margin
(2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.7 China Oscillator Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table China Oscillator Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.8 Japan Oscillator Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Japan Oscillator Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.9 Taiwan Oscillator Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Taiwan Oscillator Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.10 India Oscillator Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table India Oscillator Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.11 Row Oscillator Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Row Oscillator Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

4 Global Oscillator Supply (Production), Consumption, Export, Import by Regions (2011-2016)

4.1 Global Oscillator Consumption by Regions (2011-2016)

Table Global Oscillator Consumption Market by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global Oscillator Consumption Market Share by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Oscillator Consumption Market Share by Regions (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Global Oscillator Consumption Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

4.2 North America Oscillator Production, Consumption, Export, Import by Regions (2011-2016)

Table North America Oscillator Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

4.3 Europe Oscillator Production, Consumption, Export, Import by Regions (2011-2016)

Table Europe Oscillator Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

4.4 China Oscillator Production, Consumption, Export, Import by Regions (2011-2016)

Table China Oscillator Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

4.5 Japan Oscillator Production, Consumption, Export, Import by Regions (2011-2016)

Table Japan Oscillator Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

4.6 Taiwan Oscillator Production, Consumption, Export, Import by Regions (2011-2016)

Table Taiwan Oscillator Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

4.7 India Oscillator Production, Consumption, Export, Import by Regions (2011-2016)

Table India Oscillator Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

4.8 Row Oscillator Production, Consumption, Export, Import by Regions (2011-2016)

Table Row Oscillator Production, Consumption, Import & Export (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

5 Global Oscillator Production, Revenue (Value), Price Trend by Types

5.1 Global Oscillator Production and Market Share by Types (2011-2016)

Table Global Oscillator Production by Types (2011-2016)

OCXO

SPXO

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global Oscillator Production Share by Types (2011-2016)

OCXO

SPXO

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Production Market Share of Oscillator by Types (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Production Market Share of Oscillator by Types

Source: QYR Electronics Research Center, Dec. 2016

5.2 Global Oscillator Revenue and Market Share by Types (2011-2016)

Table Global Oscillator Revenue by Types (2011-2016)

OCXO

SPXO

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global Oscillator Revenue Share by Types (2011-2016)

OCXO

SPXO

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Production Revenue Share of Oscillator by Types (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Revenue Market Share of Oscillator by Types

Source: QYR Electronics Research Center, Dec. 2016

5.3 Global Oscillator Price by Type (2011-2016)

Table Global Oscillator Price by Types (2011-2016)

OCXO

SPXO

Total

Source: QYR Electronics Research Center, Dec. 2016

5.4 Global Oscillator Production Growth by Type (2011-2016)

Figure Global Oscillator Production Growth by Type (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

6 Global Oscillator Market Analysis by Applications

6.1 Global Oscillator Consumption and Market Share by Applications (2011-2016)

Table Global Oscillator Consumption by Applications (2011-2016)

Scientific Device

Consumer Electronics

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global Oscillator Consumption Market Share by Applications (2011-2016)

Scientific Device

Consumer Electronics

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Oscillator Consumption Market Share by Applications in 2015

Source: QYR Electronics Research Center, Dec. 2016

6.2 Global Oscillator Consumption Growth Rate by Applications (2011-2016)

Table Global Oscillator Consumption Growth Rate by Applications (2011-2016)

Scientific Device

Consumer Electronics

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Oscillator Consumption Growth Rate by Applications (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

6.3 Market Drivers and Opportunities

6.3.1 Potential Applications

6.3.2 Emerging Markets/Countries

7 Global Oscillator Manufacturers Profiles/Analysis

7.1 TEXAS INSTRUMENT

7.1.1 Company Basic Information, Manufacturing Base, Sales Area and Its

Competitors

Table TEXAS INSTRUMENT Basic Information, Manufacturing Base, Sales Area and
Its Competitors

#

Item

Description

1

Company Name

2

Website

3

Commercial Production Date of Oscillator

4

Manufacturing Locations of Oscillator

5

Oscillator Sales Area

6

Main Business/Business Overview

7

Contact Information

Source: TEXAS INSTRUMENT; QYR Electronics Research Center, Dec. 2016

7.1.2 Oscillator Product Types, Application and Specification

7.1.2.1 OCXO

7.1.2.2 SPXO

7.1.3 TEXAS INSTRUMENT Oscillator Capacity, Production, Revenue, Price and
Gross Margin (2015 and 2016)

Table TEXAS INSTRUMENT

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