

Global Voltage Controlled Crystal Oscillator (VCXO) Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Voltage Controlled Crystal Oscillator (VCXO) market size is expected to reach \$ 1249 million by 2032, rising at a market growth of 1.7% CAGR during the forecast period (2026-2032).

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).

Global Voltage Controlled Crystal Oscillator (VCXO) key players include Epson, NDK America Inc., IDT(Integrated Device Technologies), Crystek, etc. Global top four manufacturers hold a share over 40%.

Japan is the largest market, with a share over 30%, followed by China, and North America, both have a share over 40 percent.

In terms of product, Output CMOS is the largest segment, with a share over 50%. And in terms of application, the largest application is Communication Equipment, followed by Industrial Equipment, etc.

This report studies the global Voltage Controlled Crystal Oscillator (VCXO) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Voltage

Controlled Crystal Oscillator (VCXO) and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Voltage Controlled Crystal Oscillator (VCXO) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Voltage Controlled Crystal Oscillator (VCXO) total production and demand, 2021-2032, (K Units)

Global Voltage Controlled Crystal Oscillator (VCXO) total production value, 2021-2032, (USD Million)

Global Voltage Controlled Crystal Oscillator (VCXO) production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Voltage Controlled Crystal Oscillator (VCXO) consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Voltage Controlled Crystal Oscillator (VCXO) domestic production, consumption, key domestic manufacturers and share

Global Voltage Controlled Crystal Oscillator (VCXO) production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Voltage Controlled Crystal Oscillator (VCXO) production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Voltage Controlled Crystal Oscillator (VCXO) production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Voltage Controlled Crystal Oscillator (VCXO) market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Epson, NDK America Inc., Vectron, Crystek, Bliley Technologies Inc., Abracon, CTS, Pletronics, Rakon, Microchip, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Voltage Controlled Crystal Oscillator (VCXO) market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (USD/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Voltage Controlled Crystal Oscillator (VCXO) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Voltage Controlled Crystal Oscillator (VCXO) Market, Segmentation by Type:

Output PECL

Output CMOS

Output SINEWAVE

Global Voltage Controlled Crystal Oscillator (VCXO) Market, Segmentation by Application:

Communication Equipment

Industrial Instrument

Other

Companies Profiled:

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

Key Questions Answered:

1. How big is the global Voltage Controlled Crystal Oscillator (VCXO) market?
2. What is the demand of the global Voltage Controlled Crystal Oscillator (VCXO) market?
3. What is the year over year growth of the global Voltage Controlled Crystal Oscillator (VCXO) market?
4. What is the production and production value of the global Voltage Controlled Crystal Oscillator (VCXO) market?
5. Who are the key producers in the global Voltage Controlled Crystal Oscillator (VCXO) market?
6. What are the growth factors driving the market demand?

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