

# Global Voltage Controlled Oscillators Market Growth 2025-2031

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## Abstracts

The global Voltage Controlled Oscillators market size is predicted to grow from US\$ 629 million in 2025 to US\$ 751 million in 2031; it is expected to grow at a CAGR of 3.0% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

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.

VCO (Voltage Controlled Oscillator) industry is relatively concentrated, manufacturers are mostly in the North America, Japan and China. Among them, Japan output value accounted for more than 31% of the total output value of global VCO (Voltage Controlled Oscillator) . SiTime and Epson are the world leading manufacturers in global VCO (Voltage Controlled Oscillator) market with the market share of 11% and 14%, in terms of revenue.

LP Information, Inc. (LPI) ' newest research report, the "Voltage Controlled Oscillators Industry Forecast" looks at past sales and reviews total world Voltage Controlled Oscillators sales in 2024, providing a comprehensive analysis by region and market sector of projected Voltage Controlled Oscillators sales for 2025 through 2031. With Voltage Controlled Oscillators sales broken down by region, market sector and sub-

sector, this report provides a detailed analysis in US\$ millions of the world Voltage Controlled Oscillators industry.

This Insight Report provides a comprehensive analysis of the global Voltage Controlled Oscillators landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Voltage Controlled Oscillators portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Voltage Controlled Oscillators market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Voltage Controlled Oscillators and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Voltage Controlled Oscillators.

This report presents a comprehensive overview, market shares, and growth opportunities of Voltage Controlled Oscillators market by product type, application, key manufacturers and key regions and countries.

### **Segmentation by Type:**

Less than 1 dBm

1 to 30 dBm

Greater than 30 dBm

### **Segmentation by Application:**

Mobile Radios

Satellite Communications

Test Instrumentation

Others

**This report also splits the market by region:**

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Crystek Corporation

Dynamic Engineers

ET Industries

Fairview Microwave

IQD Frequency Products

MACOM

Mercury Systems

Microchip Technology

Mini Circuits

NI Microwave Components

Norden Millimeter

Pasternack Enterprises Inc

Qorvo

Quantum-RF

Roswin

Sangshin

Sivers IMA

Skyworks

Synergy Microwave Corporation

Tai-Saw Technology

Teledyne Cougar

Teledyne RF & Microwave

Z-COMM

### **Key Questions Addressed in this Report**

What is the 10-year outlook for the global Voltage Controlled Oscillators market?

What factors are driving Voltage Controlled Oscillators market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Voltage Controlled Oscillators market opportunities vary by end market size?

How does Voltage Controlled Oscillators break out by Type, by Application?

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