

# Global Shunt Reference Voltage Source Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Shunt Reference Voltage Source market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

A shunt reference voltage source is an electronic component used to provide a stable and fixed reference voltage. It is a common type of reference voltage source, corresponding to a series reference voltage source. The shunt reference voltage source generates a stable reference voltage by connecting a precise resistor (called a shunt resistor) to a precise voltage regulator diode or voltage regulator device. The working principle is as follows: When the current passes through the shunt resistor, the voltage regulator diode (or voltage regulator device) will generate a stable reference voltage. The current of the shunt resistor and the characteristics of the zener diode together determine the stability and accuracy of the reference voltage. The shunt reference voltage source has the following characteristics: stability: providing stable voltage output, unaffected by input voltage and load changes. Accuracy: Provide high-precision reference voltage, usually at the millionth (mV level). Low temperature drift: The temperature drift of the shunt reference voltage source is usually low, resulting in stable output voltage at different temperatures. Low noise: The noise level of the output voltage is low, suitable for applications with high voltage noise requirements. Shunt reference voltage sources have a wide range of applications in electronic systems, especially in scenarios where stable and accurate reference voltages are required. It is commonly used in analog circuits, sensor circuits, reference voltage sources, ADC (analog-to-digital converter), DAC (digital to analog converter), precision measurement instruments, and other applications to provide a reliable reference voltage and ensure the performance and accuracy of circuits and systems.

This report studies the global Shunt Reference Voltage Source production, demand, key

manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Shunt Reference Voltage Source, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Shunt Reference Voltage Source that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Shunt Reference Voltage Source total production and demand, 2018-2029, (K Units)

Global Shunt Reference Voltage Source total production value, 2018-2029, (USD Million)

Global Shunt Reference Voltage Source production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Shunt Reference Voltage Source consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Shunt Reference Voltage Source domestic production, consumption, key domestic manufacturers and share

Global Shunt Reference Voltage Source production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Shunt Reference Voltage Source production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Shunt Reference Voltage Source production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Shunt Reference Voltage Source 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 Texas Instruments, Analog Devices, Microchip Technology, ON Semiconductor, STMicroelectronics, NXP Semiconductors,

Renesas Electronics, Infineon Technologies and Cypress Semiconductor, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Shunt Reference Voltage Source market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Shunt Reference Voltage Source Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Shunt Reference Voltage Source Market, Segmentation by Type

Shunt Type Voltage Reference

Resistor Divider Type Reference Voltage Source

Integrated Voltage Reference

## Global Shunt Reference Voltage Source Market, Segmentation by Application

Medical Industry

Power Industry

Aerospace Industry

Others

## Companies Profiled:

Texas Instruments

Analog Devices

Microchip Technology

ON Semiconductor

STMicroelectronics

NXP Semiconductors

Renesas Electronics

Infineon Technologies

Cypress Semiconductor

Silicon Labs

ROHM Semiconductor

## Semtech Corporation

### Key Questions Answered

1. How big is the global Shunt Reference Voltage Source market?
2. What is the demand of the global Shunt Reference Voltage Source market?
3. What is the year over year growth of the global Shunt Reference Voltage Source market?
4. What is the production and production value of the global Shunt Reference Voltage Source market?
5. Who are the key producers in the global Shunt Reference Voltage Source market?
6. What are the growth factors driving the market demand?

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