

Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Market Growth 2025-2031

<https://marketpublishers.com/r/G89724735DFFEN.html>

Date: August 2025

Pages: 97

Price: US\$ 3,660.00 (Single User License)

ID: G89724735DFFEN

Abstracts

The global Miniaturized Barometric Air Pressure (BAP) Sensor ICs market size is predicted to grow from US\$ 534 million in 2025 to US\$ 791 million in 2031; it is expected to grow at a CAGR of 6.7% 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.

Miniaturized Barometric Air Pressure (BAP) Sensor ICs are compact MEMS-based integrated circuits designed to measure atmospheric pressure with high precision, enabling seamless integration into space-constrained devices like smartphones and drones. They are classified into analog output sensors, delivering continuous voltage signals, and digital output sensors, providing microcontroller-readable data, catering to diverse system requirements. Their significance lies in facilitating accurate altitude tracking, weather monitoring, and sensor fusion, enhancing functionalities in consumer electronics, IoT, and automotive applications. Key benefits include low power consumption, high accuracy with temperature compensation, and robust functionality for measuring absolute pressure, supporting applications from indoor navigation to medical monitoring.

United States market for Miniaturized Barometric Air Pressure (BAP) Sensor ICs is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Miniaturized Barometric Air Pressure (BAP) Sensor ICs is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025

through 2031.

Europe market for Miniaturized Barometric Air Pressure (BAP) Sensor ICs is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Miniaturized Barometric Air Pressure (BAP) Sensor ICs players cover NXP Semiconductors, Infineon Technologies, TE Connectivity (SMI), Melexis, Elmos Semiconductor SE, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the "Miniaturized Barometric Air Pressure (BAP) Sensor ICs Industry Forecast" looks at past sales and reviews total world Miniaturized Barometric Air Pressure (BAP) Sensor ICs sales in 2024, providing a comprehensive analysis by region and market sector of projected Miniaturized Barometric Air Pressure (BAP) Sensor ICs sales for 2025 through 2031. With Miniaturized Barometric Air Pressure (BAP) Sensor ICs sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Miniaturized Barometric Air Pressure (BAP) Sensor ICs industry.

This Insight Report provides a comprehensive analysis of the global Miniaturized Barometric Air Pressure (BAP) Sensor ICs 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 Miniaturized Barometric Air Pressure (BAP) Sensor ICs portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Miniaturized Barometric Air Pressure (BAP) Sensor ICs market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Miniaturized Barometric Air Pressure (BAP) Sensor ICs 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 Miniaturized Barometric Air Pressure (BAP) Sensor ICs.

This report presents a comprehensive overview, market shares, and growth opportunities of Miniaturized Barometric Air Pressure (BAP) Sensor ICs market by

product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Analog BAP Sensor

Digital BAP Sensor (dBAP)

Segmentation by Application:

Automotive Electronic

Consumer Electronic

Industrial Equipment

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.

NXP Semiconductors

Infineon Technologies

TE Connectivity (SMI)

Melexis

Elmos Semiconductor SE

TDK InvenSense

STMicroelectronics

ROHM Semiconductor

Murata Manufacturing

Key Questions Addressed in this Report

What is the 10-year outlook for the global Miniaturized Barometric Air Pressure (BAP) Sensor ICs market?

What factors are driving Miniaturized Barometric Air Pressure (BAP) Sensor ICs market growth, globally and by region?

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

How do Miniaturized Barometric Air Pressure (BAP) Sensor ICs market opportunities vary by end market size?

How does Miniaturized Barometric Air Pressure (BAP) Sensor ICs break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

2.1.1 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Annual Sales 2020-2031

2.1.2 World Current & Future Analysis for Miniaturized Barometric Air Pressure (BAP) Sensor ICs by Geographic Region, 2020, 2024 & 2031

2.1.3 World Current & Future Analysis for Miniaturized Barometric Air Pressure (BAP) Sensor ICs by Country/Region, 2020, 2024 & 2031

2.2 Miniaturized Barometric Air Pressure (BAP) Sensor ICs Segment by Type

2.2.1 Analog BAP Sensor

2.2.2 Digital BAP Sensor (dBAP)

2.3 Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Type

2.3.1 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Type (2020-2025)

2.3.2 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue and Market Share by Type (2020-2025)

2.3.3 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sale Price by Type (2020-2025)

2.4 Miniaturized Barometric Air Pressure (BAP) Sensor ICs Segment by Application

2.4.1 Automotive Electronic

2.4.2 Consumer Electronic

2.4.3 Industrial Equipment

2.4.4 Others

2.5 Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Application

2.5.1 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sale Market

Share by Application (2020-2025)

2.5.2 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue and Market Share by Application (2020-2025)

2.5.3 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Breakdown Data by Company

3.1.1 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Annual Sales by Company (2020-2025)

3.1.2 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Company (2020-2025)

3.2 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Annual Revenue by Company (2020-2025)

3.2.1 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue by Company (2020-2025)

3.2.2 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Market Share by Company (2020-2025)

3.3 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sale Price by Company

3.4 Key Manufacturers Miniaturized Barometric Air Pressure (BAP) Sensor ICs Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Miniaturized Barometric Air Pressure (BAP) Sensor ICs Product Location Distribution

3.4.2 Players Miniaturized Barometric Air Pressure (BAP) Sensor ICs Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR MINIATURIZED BAROMETRIC AIR PRESSURE (BAP) SENSOR ICs BY GEOGRAPHIC REGION

4.1 World Historic Miniaturized Barometric Air Pressure (BAP) Sensor ICs Market Size by Geographic Region (2020-2025)

4.1.1 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Annual Sales by

Geographic Region (2020-2025)

4.1.2 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Annual Revenue by Geographic Region (2020-2025)

4.2 World Historic Miniaturized Barometric Air Pressure (BAP) Sensor ICs Market Size by Country/Region (2020-2025)

4.2.1 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Annual Sales by Country/Region (2020-2025)

4.2.2 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Annual Revenue by Country/Region (2020-2025)

4.3 Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Growth

4.4 APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Growth

4.5 Europe Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Growth

4.6 Middle East & Africa Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Growth

5 AMERICAS

5.1 Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Country

5.1.1 Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Country (2020-2025)

5.1.2 Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue by Country (2020-2025)

5.2 Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Type (2020-2025)

5.3 Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Region

6.1.1 APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Region (2020-2025)

6.1.2 APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue by Region (2020-2025)

6.2 APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Type

(2020-2025)

6.3 APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Application

(2020-2025)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Miniaturized Barometric Air Pressure (BAP) Sensor ICs by Country

7.1.1 Europe Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Country

(2020-2025)

7.1.2 Europe Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue by Country (2020-2025)

7.2 Europe Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Type

(2020-2025)

7.3 Europe Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Application

(2020-2025)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Miniaturized Barometric Air Pressure (BAP) Sensor ICs by Country

8.1.1 Middle East & Africa Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Country (2020-2025)

8.1.2 Middle East & Africa Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue by Country (2020-2025)

8.2 Middle East & Africa Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Type (2020-2025)

8.3 Middle East & Africa Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales

by Application (2020-2025)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Miniaturized Barometric Air Pressure (BAP) Sensor ICs

10.3 Manufacturing Process Analysis of Miniaturized Barometric Air Pressure (BAP) Sensor ICs

10.4 Industry Chain Structure of Miniaturized Barometric Air Pressure (BAP) Sensor ICs

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Miniaturized Barometric Air Pressure (BAP) Sensor ICs Distributors

11.3 Miniaturized Barometric Air Pressure (BAP) Sensor ICs Customer

12 WORLD FORECAST REVIEW FOR MINIATURIZED BAROMETRIC AIR PRESSURE (BAP) SENSOR ICs BY GEOGRAPHIC REGION

12.1 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Market Size Forecast by Region

12.1.1 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Forecast by Region (2026-2031)

12.1.2 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Annual Revenue Forecast by Region (2026-2031)

- 12.2 Americas Forecast by Country (2026-2031)
- 12.3 APAC Forecast by Region (2026-2031)
- 12.4 Europe Forecast by Country (2026-2031)
- 12.5 Middle East & Africa Forecast by Country (2026-2031)
- 12.6 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Forecast by Type (2026-2031)
- 12.7 Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

13.1 NXP Semiconductors

- 13.1.1 NXP Semiconductors Company Information

- 13.1.2 NXP Semiconductors Miniaturized Barometric Air Pressure (BAP) Sensor ICs Product Portfolios and Specifications

- 13.1.3 NXP Semiconductors Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales, Revenue, Price and Gross Margin (2020-2025)

- 13.1.4 NXP Semiconductors Main Business Overview

- 13.1.5 NXP Semiconductors Latest Developments

13.2 Infineon Technologies

- 13.2.1 Infineon Technologies Company Information

- 13.2.2 Infineon Technologies Miniaturized Barometric Air Pressure (BAP) Sensor ICs Product Portfolios and Specifications

- 13.2.3 Infineon Technologies Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales, Revenue, Price and Gross Margin (2020-2025)

- 13.2.4 Infineon Technologies Main Business Overview

- 13.2.5 Infineon Technologies Latest Developments

13.3 TE Connectivity (SMI)

- 13.3.1 TE Connectivity (SMI) Company Information

- 13.3.2 TE Connectivity (SMI) Miniaturized Barometric Air Pressure (BAP) Sensor ICs Product Portfolios and Specifications

- 13.3.3 TE Connectivity (SMI) Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales, Revenue, Price and Gross Margin (2020-2025)

- 13.3.4 TE Connectivity (SMI) Main Business Overview

- 13.3.5 TE Connectivity (SMI) Latest Developments

13.4 Melexis

- 13.4.1 Melexis Company Information

- 13.4.2 Melexis Miniaturized Barometric Air Pressure (BAP) Sensor ICs Product Portfolios and Specifications

- 13.4.3 Melexis Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales, Revenue, Price and Gross Margin (2020-2025)
- 13.4.4 Melexis Main Business Overview
- 13.4.5 Melexis Latest Developments
- 13.5 Elmos Semiconductor SE
 - 13.5.1 Elmos Semiconductor SE Company Information
 - 13.5.2 Elmos Semiconductor SE Miniaturized Barometric Air Pressure (BAP) Sensor ICs Product Portfolios and Specifications
 - 13.5.3 Elmos Semiconductor SE Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.5.4 Elmos Semiconductor SE Main Business Overview
 - 13.5.5 Elmos Semiconductor SE Latest Developments
- 13.6 TDK InvenSense
 - 13.6.1 TDK InvenSense Company Information
 - 13.6.2 TDK InvenSense Miniaturized Barometric Air Pressure (BAP) Sensor ICs Product Portfolios and Specifications
 - 13.6.3 TDK InvenSense Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.6.4 TDK InvenSense Main Business Overview
 - 13.6.5 TDK InvenSense Latest Developments
- 13.7 STMicroelectronics
 - 13.7.1 STMicroelectronics Company Information
 - 13.7.2 STMicroelectronics Miniaturized Barometric Air Pressure (BAP) Sensor ICs Product Portfolios and Specifications
 - 13.7.3 STMicroelectronics Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.7.4 STMicroelectronics Main Business Overview
 - 13.7.5 STMicroelectronics Latest Developments
- 13.8 ROHM Semiconductor
 - 13.8.1 ROHM Semiconductor Company Information
 - 13.8.2 ROHM Semiconductor Miniaturized Barometric Air Pressure (BAP) Sensor ICs Product Portfolios and Specifications
 - 13.8.3 ROHM Semiconductor Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.8.4 ROHM Semiconductor Main Business Overview
 - 13.8.5 ROHM Semiconductor Latest Developments
- 13.9 Murata Manufacturing
 - 13.9.1 Murata Manufacturing Company Information
 - 13.9.2 Murata Manufacturing Miniaturized Barometric Air Pressure (BAP) Sensor ICs

Product Portfolios and Specifications

13.9.3 Murata Manufacturing Miniaturized Barometric Air Pressure (BAP) Sensor ICs
Sales, Revenue, Price and Gross Margin (2020-2025)

13.9.4 Murata Manufacturing Main Business Overview

13.9.5 Murata Manufacturing Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Miniaturized Barometric Air Pressure (BAP) Sensor ICs Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Miniaturized Barometric Air Pressure (BAP) Sensor ICs Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of Analog BAP Sensor

Table 4. Major Players of Digital BAP Sensor (dBAP)

Table 5. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Type (2020-2025) & (Million Units)

Table 6. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Type (2020-2025)

Table 7. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue by Type (2020-2025) & (\$ million)

Table 8. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Market Share by Type (2020-2025)

Table 9. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sale Price by Type (2020-2025) & (US\$/Unit)

Table 10. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sale by Application (2020-2025) & (Million Units)

Table 11. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sale Market Share by Application (2020-2025)

Table 12. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue by Application (2020-2025) & (\$ million)

Table 13. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Market Share by Application (2020-2025)

Table 14. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sale Price by Application (2020-2025) & (US\$/Unit)

Table 15. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Company (2020-2025) & (Million Units)

Table 16. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Company (2020-2025)

Table 17. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue by Company (2020-2025) & (\$ millions)

Table 18. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Market Share by Company (2020-2025)

Table 19. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sale Price by

Company (2020-2025) & (US\$/Unit)

Table 20. Key Manufacturers Miniaturized Barometric Air Pressure (BAP) Sensor ICs Producing Area Distribution and Sales Area

Table 21. Players Miniaturized Barometric Air Pressure (BAP) Sensor ICs Products Offered

Table 22. Miniaturized Barometric Air Pressure (BAP) Sensor ICs Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Geographic Region (2020-2025) & (Million Units)

Table 26. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share Geographic Region (2020-2025)

Table 27. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 28. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Market Share by Geographic Region (2020-2025)

Table 29. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Country/Region (2020-2025) & (Million Units)

Table 30. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Country/Region (2020-2025)

Table 31. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue by Country/Region (2020-2025) & (\$ millions)

Table 32. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Market Share by Country/Region (2020-2025)

Table 33. Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Country (2020-2025) & (Million Units)

Table 34. Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Country (2020-2025)

Table 35. Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue by Country (2020-2025) & (\$ millions)

Table 36. Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Type (2020-2025) & (Million Units)

Table 37. Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Application (2020-2025) & (Million Units)

Table 38. APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Region (2020-2025) & (Million Units)

Table 39. APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Region (2020-2025)

Table 40. APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue by Region (2020-2025) & (\$ millions)

Table 41. APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Type (2020-2025) & (Million Units)

Table 42. APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Application (2020-2025) & (Million Units)

Table 43. Europe Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Country (2020-2025) & (Million Units)

Table 44. Europe Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue by Country (2020-2025) & (\$ millions)

Table 45. Europe Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Type (2020-2025) & (Million Units)

Table 46. Europe Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Application (2020-2025) & (Million Units)

Table 47. Middle East & Africa Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Country (2020-2025) & (Million Units)

Table 48. Middle East & Africa Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Market Share by Country (2020-2025)

Table 49. Middle East & Africa Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Type (2020-2025) & (Million Units)

Table 50. Middle East & Africa Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Application (2020-2025) & (Million Units)

Table 51. Key Market Drivers & Growth Opportunities of Miniaturized Barometric Air Pressure (BAP) Sensor ICs

Table 52. Key Market Challenges & Risks of Miniaturized Barometric Air Pressure (BAP) Sensor ICs

Table 53. Key Industry Trends of Miniaturized Barometric Air Pressure (BAP) Sensor ICs

Table 54. Miniaturized Barometric Air Pressure (BAP) Sensor ICs Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. Miniaturized Barometric Air Pressure (BAP) Sensor ICs Distributors List

Table 57. Miniaturized Barometric Air Pressure (BAP) Sensor ICs Customer List

Table 58. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Forecast by Region (2026-2031) & (Million Units)

Table 59. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 60. Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Forecast by Country (2026-2031) & (Million Units)

Table 61. Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Annual

Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 62. APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Forecast by Region (2026-2031) & (Million Units)

Table 63. APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Annual Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 64. Europe Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Forecast by Country (2026-2031) & (Million Units)

Table 65. Europe Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 66. Middle East & Africa Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Forecast by Country (2026-2031) & (Million Units)

Table 67. Middle East & Africa Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 68. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Forecast by Type (2026-2031) & (Million Units)

Table 69. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Forecast by Type (2026-2031) & (\$ millions)

Table 70. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Forecast by Application (2026-2031) & (Million Units)

Table 71. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Forecast by Application (2026-2031) & (\$ millions)

Table 72. NXP Semiconductors Basic Information, Miniaturized Barometric Air Pressure (BAP) Sensor ICs Manufacturing Base, Sales Area and Its Competitors

Table 73. NXP Semiconductors Miniaturized Barometric Air Pressure (BAP) Sensor ICs Product Portfolios and Specifications

Table 74. NXP Semiconductors Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 75. NXP Semiconductors Main Business

Table 76. NXP Semiconductors Latest Developments

Table 77. Infineon Technologies Basic Information, Miniaturized Barometric Air Pressure (BAP) Sensor ICs Manufacturing Base, Sales Area and Its Competitors

Table 78. Infineon Technologies Miniaturized Barometric Air Pressure (BAP) Sensor ICs Product Portfolios and Specifications

Table 79. Infineon Technologies Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 80. Infineon Technologies Main Business

Table 81. Infineon Technologies Latest Developments

Table 82. TE Connectivity (SMI) Basic Information, Miniaturized Barometric Air Pressure (BAP) Sensor ICs Manufacturing Base, Sales Area and Its Competitors

Table 83. TE Connectivity (SMI) Miniaturized Barometric Air Pressure (BAP) Sensor ICs Product Portfolios and Specifications

Table 84. TE Connectivity (SMI) Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 85. TE Connectivity (SMI) Main Business

Table 86. TE Connectivity (SMI) Latest Developments

Table 87. Melexis Basic Information, Miniaturized Barometric Air Pressure (BAP) Sensor ICs Manufacturing Base, Sales Area and Its Competitors

Table 88. Melexis Miniaturized Barometric Air Pressure (BAP) Sensor ICs Product Portfolios and Specifications

Table 89. Melexis Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 90. Melexis Main Business

Table 91. Melexis Latest Developments

Table 92. Elmos Semiconductor SE Basic Information, Miniaturized Barometric Air Pressure (BAP) Sensor ICs Manufacturing Base, Sales Area and Its Competitors

Table 93. Elmos Semiconductor SE Miniaturized Barometric Air Pressure (BAP) Sensor ICs Product Portfolios and Specifications

Table 94. Elmos Semiconductor SE Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 95. Elmos Semiconductor SE Main Business

Table 96. Elmos Semiconductor SE Latest Developments

Table 97. TDK InvenSense Basic Information, Miniaturized Barometric Air Pressure (BAP) Sensor ICs Manufacturing Base, Sales Area and Its Competitors

Table 98. TDK InvenSense Miniaturized Barometric Air Pressure (BAP) Sensor ICs Product Portfolios and Specifications

Table 99. TDK InvenSense Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 100. TDK InvenSense Main Business

Table 101. TDK InvenSense Latest Developments

Table 102. STMicroelectronics Basic Information, Miniaturized Barometric Air Pressure (BAP) Sensor ICs Manufacturing Base, Sales Area and Its Competitors

Table 103. STMicroelectronics Miniaturized Barometric Air Pressure (BAP) Sensor ICs Product Portfolios and Specifications

Table 104. STMicroelectronics Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 105. STMicroelectronics Main Business

Table 106. STMicroelectronics Latest Developments

Table 107. ROHM Semiconductor Basic Information, Miniaturized Barometric Air Pressure (BAP) Sensor ICs Manufacturing Base, Sales Area and Its Competitors

Table 108. ROHM Semiconductor Miniaturized Barometric Air Pressure (BAP) Sensor ICs Product Portfolios and Specifications

Table 109. ROHM Semiconductor Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 110. ROHM Semiconductor Main Business

Table 111. ROHM Semiconductor Latest Developments

Table 112. Murata Manufacturing Basic Information, Miniaturized Barometric Air Pressure (BAP) Sensor ICs Manufacturing Base, Sales Area and Its Competitors

Table 113. Murata Manufacturing Miniaturized Barometric Air Pressure (BAP) Sensor ICs Product Portfolios and Specifications

Table 114. Murata Manufacturing Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales (Million Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 115. Murata Manufacturing Main Business

Table 116. Murata Manufacturing Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Miniaturized Barometric Air Pressure (BAP) Sensor ICs
- Figure 2. Miniaturized Barometric Air Pressure (BAP) Sensor ICs Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Growth Rate 2020-2031 (Million Units)
- Figure 7. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Country/Region (2024)
- Figure 10. Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of Analog BAP Sensor
- Figure 12. Product Picture of Digital BAP Sensor (dBAP)
- Figure 13. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Type in 2025
- Figure 14. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Market Share by Type (2020-2025)
- Figure 15. Miniaturized Barometric Air Pressure (BAP) Sensor ICs Consumed in Automotive Electronic
- Figure 16. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Market: Automotive Electronic (2020-2025) & (Million Units)
- Figure 17. Miniaturized Barometric Air Pressure (BAP) Sensor ICs Consumed in Consumer Electronic
- Figure 18. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Market: Consumer Electronic (2020-2025) & (Million Units)
- Figure 19. Miniaturized Barometric Air Pressure (BAP) Sensor ICs Consumed in Industrial Equipment
- Figure 20. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Market: Industrial Equipment (2020-2025) & (Million Units)
- Figure 21. Miniaturized Barometric Air Pressure (BAP) Sensor ICs Consumed in Others

Figure 22. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Market: Others (2020-2025) & (Million Units)

Figure 23. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sale Market Share by Application (2024)

Figure 24. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Market Share by Application in 2025

Figure 25. Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales by Company in 2025 (Million Units)

Figure 26. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Company in 2025

Figure 27. Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue by Company in 2025 (\$ millions)

Figure 28. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Market Share by Company in 2025

Figure 29. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Geographic Region (2020-2025)

Figure 30. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Market Share by Geographic Region in 2025

Figure 31. Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales 2020-2025 (Million Units)

Figure 32. Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue 2020-2025 (\$ millions)

Figure 33. APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales 2020-2025 (Million Units)

Figure 34. APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue 2020-2025 (\$ millions)

Figure 35. Europe Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales 2020-2025 (Million Units)

Figure 36. Europe Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue 2020-2025 (\$ millions)

Figure 37. Middle East & Africa Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales 2020-2025 (Million Units)

Figure 38. Middle East & Africa Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue 2020-2025 (\$ millions)

Figure 39. Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Country in 2025

Figure 40. Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Market Share by Country (2020-2025)

Figure 41. Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales

Market Share by Type (2020-2025)

Figure 42. Americas Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales

Market Share by Application (2020-2025)

Figure 43. United States Miniaturized Barometric Air Pressure (BAP) Sensor ICs

Revenue Growth 2020-2025 (\$ millions)

Figure 44. Canada Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue

Growth 2020-2025 (\$ millions)

Figure 45. Mexico Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue

Growth 2020-2025 (\$ millions)

Figure 46. Brazil Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue

Growth 2020-2025 (\$ millions)

Figure 47. APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Region in 2025

Figure 48. APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue

Market Share by Region (2020-2025)

Figure 49. APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Type (2020-2025)

Figure 50. APAC Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Application (2020-2025)

Figure 51. China Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Growth 2020-2025 (\$ millions)

Figure 52. Japan Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Growth 2020-2025 (\$ millions)

Figure 53. South Korea Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Growth 2020-2025 (\$ millions)

Figure 54. Southeast Asia Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Growth 2020-2025 (\$ millions)

Figure 55. India Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Growth 2020-2025 (\$ millions)

Figure 56. Australia Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Growth 2020-2025 (\$ millions)

Figure 57. China Taiwan Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Growth 2020-2025 (\$ millions)

Figure 58. Europe Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Country in 2025

Figure 59. Europe Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Market Share by Country (2020-2025)

Figure 60. Europe Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Type (2020-2025)

Figure 61. Europe Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Application (2020-2025)

Figure 62. Germany Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Growth 2020-2025 (\$ millions)

Figure 63. France Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Growth 2020-2025 (\$ millions)

Figure 64. UK Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Growth 2020-2025 (\$ millions)

Figure 65. Italy Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Growth 2020-2025 (\$ millions)

Figure 66. Russia Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Growth 2020-2025 (\$ millions)

Figure 67. Middle East & Africa Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Country (2020-2025)

Figure 68. Middle East & Africa Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Type (2020-2025)

Figure 69. Middle East & Africa Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share by Application (2020-2025)

Figure 70. Egypt Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Growth 2020-2025 (\$ millions)

Figure 71. South Africa Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Growth 2020-2025 (\$ millions)

Figure 72. Israel Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Growth 2020-2025 (\$ millions)

Figure 73. Turkey Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Growth 2020-2025 (\$ millions)

Figure 74. GCC Countries Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Growth 2020-2025 (\$ millions)

Figure 75. Manufacturing Cost Structure Analysis of Miniaturized Barometric Air Pressure (BAP) Sensor ICs in 2025

Figure 76. Manufacturing Process Analysis of Miniaturized Barometric Air Pressure (BAP) Sensor ICs

Figure 77. Industry Chain Structure of Miniaturized Barometric Air Pressure (BAP) Sensor ICs

Figure 78. Channels of Distribution

Figure 79. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Forecast by Region (2026-2031)

Figure 80. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Market Share Forecast by Region (2026-2031)

Figure 81. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share Forecast by Type (2026-2031)

Figure 82. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Market Share Forecast by Type (2026-2031)

Figure 83. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Sales Market Share Forecast by Application (2026-2031)

Figure 84. Global Miniaturized Barometric Air Pressure (BAP) Sensor ICs Revenue Market Share Forecast by Application (2026-2031)

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