

Global Thermopile Infrared Sensor Chip Market Growth 2025-2031

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Abstracts

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The global Thermopile Infrared Sensor Chip market size is predicted to grow from US\$ million in 2025 to US\$ million in 2031; it is expected to grow at a CAGR of %from 2025 to 2031.

Infrared thermopile sensors are generally manufactured by silicon-based micromachining technology. Its industrial chain includes chip design, manufacturing, sealing and testing, system integration and terminal application. Thermopile infrared sensor chip is the core component of temperature measuring instrument.

Following a strong growth of 26.2 percent in the year 2021, WSTS revised it down to a single digit growth for the worldwide semiconductor market in 2022 with a total size of US\$580 billion, up 4.4 percent. WSTS lowered growth estimation as inflation rises and end markets seeing weaker demand, especially those exposed to consumer spending. While some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.8 percent, Sensors with 16.3 percent, and Logic with 14.5 percent growth. Memory declined with 12.6 percent year over year. In 2022, all geographical regions showed double-digit growth except Asia Pacific. The largest region, Asia Pacific, declined 2.0 percent. Sales in the Americas were US\$142.1 billion, up 17.0% year-on-year, sales in Europe were US\$53.8 billion, up 12.6% year-on-year, and sales in Japan were US\$48.1 billion, up 10.0% year-on-year. However, sales in the largest Asia-Pacific region were US\$336.2 billion, down 2.0% year-on-year.

LP Information, Inc. (LPI) ' newest research report, the "Thermopile Infrared Sensor Chip Industry Forecast" looks at past sales and reviews total world Thermopile Infrared

Sensor Chip sales in 2024, providing a comprehensive analysis by region and market sector of projected Thermopile Infrared Sensor Chip sales for 2025 through 2031. With Thermopile Infrared Sensor Chip sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Thermopile Infrared Sensor Chip industry.

This Insight Report provides a comprehensive analysis of the global Thermopile Infrared Sensor Chip 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 Thermopile Infrared Sensor Chip portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Thermopile Infrared Sensor Chip market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Thermopile Infrared Sensor Chip 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 Thermopile Infrared Sensor Chip.

This report presents a comprehensive overview, market shares, and growth opportunities of Thermopile Infrared Sensor Chip market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Chip Size 1.1mm²

Chip Size 1.5mm²

Chip Size 1.8mm²

Segmentation by Application:

Non Contact Temperature Measurement

Household Electric

Food Temperature Detection

Other

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.

Honeywell

iC-Haus

Rohm Semiconductor

Youtai Semiconductor

Vishay

RS Group

MEMSensing Microsystems

Hangzhou SDIC Microelectronics

Shenzhen MemsFrontier Electronics

Grecon Semiconductor

EGmicro

Zhengzhou Weisen Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Thermopile Infrared Sensor Chip market?

What factors are driving Thermopile Infrared Sensor Chip market growth, globally and by region?

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

How do Thermopile Infrared Sensor Chip market opportunities vary by end market size?

How does Thermopile Infrared Sensor Chip break out by Type, by Application?

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