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Global Glass Encapsulated NTC Thermistor Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Glass Encapsulated NTC Thermistor market size was valued at US$ 433 million in 2025 and is forecast to a readjusted size of US$ 661 million by 2032 with a CAGR of 6.2% during review period.

In 2025, global Glass Encapsulated NTC Thermistor production reached approximately 227.3 M Units, with an average global market price of around 1,850 US$/K Units.

Glass Encapsulated NTC Thermistor is a temperature-sensitive resistor with negative temperature coefficient, fully encapsulated in hermetic glass material, which provides high stability, moisture resistance, and corrosion resistance, enabling accurate temperature measurement and control in harsh environments such as high humidity, high temperature, and chemical exposure for automotive, industrial, and consumer electronics applications.

Demand for Glass Encapsulated NTC Thermistor is driven by the growth of automotive electronics, industrial automation, smart home appliances, and new energy equipment, along with stricter requirements for temperature sensing reliability and environmental adaptability. Business opportunities lie in developing miniaturized, high-temperature resistant, and fast-response models, expanding applications in new energy vehicles, industrial sensors, and medical devices, strengthening cooperation with OEMs, and launching cost-effective high-reliability products to capture market share.

This report is a detailed and comprehensive analysis for global Glass Encapsulated NTC Thermistor market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Resistance Value and by Application. As the

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market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Glass Encapsulated NTC Thermistor market size and forecasts, in consumption value ($ Million), sales quantity (Million Units), and average selling prices (US$/K Units), 2021-2032

Global Glass Encapsulated NTC Thermistor market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Million Units), and average selling prices (US$/K Units), 2021-2032

Global Glass Encapsulated NTC Thermistor market size and forecasts, by Resistance Value and by Application, in consumption value ($ Million), sales quantity (Million Units), and average selling prices (US$/K Units), 2021-2032

Global Glass Encapsulated NTC Thermistor market shares of main players, shipments in revenue ($ Million), sales quantity (Million Units), and ASP (US$/K Units), 2021-2026

The Primary Objectives in This Report Are:
To determine the size of the total market opportunity of global and key countries
To assess the growth potential for Glass Encapsulated NTC Thermistor
To forecast future growth in each product and end-use market
To assess competitive factors affecting the marketplace

This report profiles key players in the global Glass Encapsulated NTC Thermistor market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Littelfuse, TDK, Eaton, Vishay, Semitec, EI Sensor, Amphenol Advanced Sensors, Honeywell, TE Connectivity, Shibaura Electronics, etc.

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

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Market Segmentation

Glass Encapsulated NTC Thermistor market is split by Resistance Value and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Resistance Value, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Resistance Value

- Low Resistance
- Medium Resistance
- High Resistance

Market segment by Temperature Range

- Low Temperature
- Medium Temperature
- High Temperature

Market segment by Package Size

- Miniature
- Standard
- Large

Market segment by Application

- Automotive Electronics

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Industrial Control

Consumer Appliances

New Energy

Others

Major players covered

Littelfuse

TDK

Eaton

Vishay

Semitec

EI Sensor

Amphenol Advanced Sensors

Honeywell

TE Connectivity

Shibaura Electronics

Thinking Electronic Industrial

Minjie Electronics

TOPOS

EXSENSE

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Huagong Gaoli Electronics

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Glass Encapsulated NTC Thermistor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Glass Encapsulated NTC Thermistor, with price, sales quantity, revenue, and global market share of Glass Encapsulated NTC Thermistor from 2021 to 2026.

Chapter 3, the Glass Encapsulated NTC Thermistor competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Glass Encapsulated NTC Thermistor breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Resistance Value and by Application, with sales market share and growth rate by Resistance Value, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026.and Glass Encapsulated NTC Thermistor market forecast, by regions, by Resistance Value, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

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Chapter 13, the key raw materials and key suppliers, and industry chain of Glass Encapsulated NTC Thermistor.

Chapter 14 and 15, to describe Glass Encapsulated NTC Thermistor sales channel, distributors, customers, research findings and conclusion.

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