

Global Class-AB Audio Power Amplifiers Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Class-AB Audio Power Amplifiers market size was valued at US\$ 656 million in 2024 and is forecast to a readjusted size of USD 924 million by 2031 with a CAGR of 5.1% during review period.

The class AB power amplifier is to insert two diodes at the input end of the class B power amplifier. When the input is close to zero, the amplifier tube has been micro-conducted, so that the conduction angle of each amplifier tube is greater than 180°C and less than 360°C. The class AB power amplifier overcomes the crossover distortion of the class B power amplifier, and the efficiency is between the class A and class B power amplifiers, which is the structure often used by the traditional linear power amplifier.

Class-AB Audio Power Amplifiers (Class-AB Audio Power Amplifiers) are a common type of audio amplifier widely used in audio equipment, music systems, televisions, wireless speakers, and other audio equipment. They are used to amplify a low power audio signal to a high power audio signal to drive a speaker or horn so that sound is produced in the audience. Class-AB audio power amplifiers combine the characteristics of both Class-A and Class-B amplifiers to strike a balance between efficiency and distortion.

This report is a detailed and comprehensive analysis for global Class-AB Audio Power Amplifiers market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the 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 Class-AB Audio Power Amplifiers market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Class-AB Audio Power Amplifiers market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Class-AB Audio Power Amplifiers market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Class-AB Audio Power Amplifiers market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

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 Class-AB Audio Power Amplifiers
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global Class-AB Audio Power Amplifiers 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 Analog Devices, Texas Instruments, Dialog Semiconductor, NXP Semiconductors, ON Semiconductor, Infineon Technologies, ROHM Semiconductor, Renesas Electronic, Nisshinbo Micro Devices, Awinic Technology, etc.

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

Market Segmentation

Class-AB Audio Power Amplifiers market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, 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 Type

2-Channel

4-Channel

6-Channel

Others

Market segment by Application

Consumer Audio

Automotive Audio

Computer Audio

Others

Major players covered

Analog Devices

Texas Instruments

Dialog Semiconductor

NXP Semiconductors

ON Semiconductor

Infineon Technologies

ROHM Semiconductor

Renesas Electronic

Nisshinbo Micro Devices

Awinic Technology

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 Class-AB Audio Power Amplifiers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Class-AB Audio Power Amplifiers, with price, sales quantity, revenue, and global market share of Class-AB Audio Power Amplifiers from 2020 to 2025.

Chapter 3, the Class-AB Audio Power Amplifiers competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Class-AB Audio Power Amplifiers breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market

share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and Class-AB Audio Power Amplifiers market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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

Chapter 13, the key raw materials and key suppliers, and industry chain of Class-AB Audio Power Amplifiers.

Chapter 14 and 15, to describe Class-AB Audio Power Amplifiers sales channel, distributors, customers, research findings and conclusion.

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