

Power Amplifier Market by Product (Audio Power Amplifier, Radio Power Amplifier), Class (Class AB, Class C, Class D), Technology, Vertical (Consumer Electronics, Industrial, Telecommunication, Automotive) and Region - Global Forecast to 2023

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Abstracts

“The overall power amplifier market is expected to grow at a CAGR of 7.4% from 2018 to 2023”

The power amplifier market is expected to grow from USD 21.4 billion in 2018 to USD 30.6 billion by 2023, at a CAGR of 7.4% between 2018 and 2023. The increasing popularity of consumer electronics and use of LTE technology are driving the growth of the power amplifier market. Further, need for quality audio is contributing to the growth of the power amplifier market. However, reduced price margin due to highly fragmented industry may erode profits and restrict the market growth.

“The power amplifier market for RF power amplifiers is expected to continue hold the largest share during the forecast period”

The RF power amplifier market is expected to continue hold the largest market share during the forecast period. RF power amplifiers have several use cases in telecom and military & defense verticals, which also cost high. These are used in several high power wireless transmission devices and equipment requiring input signals at thousands of kilowatts of power. There are two types of RF power amplifiers: traveling wave tube amplifiers (TWTAs) and solid-state power amplifiers (SSPAs). SSPA is expected to substitute TWTAs during the forecast period owing to compact design and high lifespan of SSPA.

“The market for industrial vertical is expected to witness highest growth from 2018 to 2023”

The market for industrial vertical is expected to grow at a significant CAGR during the forecast period. The adoption of industrial automation in countries focused on manufacturing sector is expected to be the driving factor for the power amplifier market. Further, the market for telecommunication vertical is also expected to grow at a considerable rate during the forecast period. The growing adoption of 4G technology and upcoming 5G technology are the key factors for this growth.

“APAC is likely to witness highest growth during the forecast period”

APAC is expected to continue lead the power amplifier market and also expected to be the fastest growing region. This is mainly attributed to the presence of key electronics manufacturers such as Samsung, Hitachi, Nissan, Panasonic, and Honda. China, Japan, South Korea, and India offer some of the prolific electronics manufacturers in APAC. Therefore, there is a continuous demand for power amplifiers in APAC.

Break-up of the profiles of primary participants:

By Company Type: Tier 1 – 65%, Tier 2 – 10%, and Tier 3 – 25%

By Designation: C-Level Executives – 74% and Others – 26%

By Region: North America – 35%, Europe – 15%, APAC – 40%, and RoW – 10%

A few power amplifier ecosystem players are as follows: Infineon Technologies (Germany), Texas Instruments (US), Broadcom (US), Toshiba (Japan), STMicroelectronics (Switzerland), Maxim Integrated (US), Yamaha (Japan), Qorvo (US), NXP Semiconductors (Netherlands), Analog Devices (US), Skyworks Solutions (US), QSC Audio Products (US), Peavey Electronics (US), Qualcomm (US), MACOM (US), BONN Elektronik (Germany), Renesas Electronics (Japan), ETL Systems (UK), Aemulus (Malaysia), and OPHIR RF (US).

Research Coverage:

This research report segments the global power amplifier market on the basis of product, class, technology, vertical, and geography. The report discusses major drivers,

restraints, challenges, and opportunities pertaining to the power amplifier market and also include value chain. The study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to product and business offerings, recent developments, and key market strategies.

Key Benefits of Buying the Report

The report will help market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall power amplifier market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and to plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

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