

Envelope Tracking Chips Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/E471815FAABFEN.html>

Date: November 2023

Pages: 142

Price: US\$ 2,499.00 (Single User License)

ID: E471815FAABFEN

Abstracts

The global envelope tracking chips market size reached US\$ 2,019.6 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 3,498.5 Million by 2028, exhibiting a growth rate (CAGR) of 9.59% during 2022-2028.

An envelope tracking (ET) chip is a power management device that is utilized to enhance energy efficiency and reduce heat dissipation in radio frequency (RF) devices. It is widely used in tablets, tactical radios, wearables, smartphones and global positioning system (GPS) tracking devices. It is also utilized in AM broadcast transmitters and other electronic devices and cellular communication systems to ensure enhanced efficiency at instantaneous power levels. In comparison to the traditionally used power management systems, ET chips offer improved cost-effectiveness, battery life and operational efficiency of signal amplifiers. As a result, they find extensive applications across various industries, such as automotive, healthcare, electronics, aerospace and telecommunication.

Envelope tracking chips Market Trends:

Significant growth in the electronics industry across the globe is creating a positive outlook for the market. Envelope tracking chips are widely used in electronic devices to adjust the power amplifier voltage for ensuring optimal performance. Additionally, the increasing demand for wireless communication platforms is providing a thrust to the market growth. These chips are widely used in feature phones, Wi-Fi and wireless network enable surveillance systems (WNESS). Moreover, the integration of connected devices with the Internet of Things (IoT) and the increasing demand for 4G services are favoring the market growth. These chips aid in reducing the power consumption in 4G LTE multi-mode systems used in smartphones and tablets. In line with this, the

increasing product adoption in the automotive and aerospace industries is positively impacting the market growth. ET chips aid in controlling power steering, trigger airbags and monitor brake functioning. Other factors, including the rising penetration of high-speed internet, along with the widespread utilization of advanced technologies, such as Zigbee, in light and compact application devices, are anticipated to drive the market toward growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global envelope tracking chips market report, along with forecasts at the global, regional and country levels from 2023-2028. Our report has categorized the market based on technology, application and end user.

Breakup by Technology:

- Cellular Communications
- Wireless Communications
- Satellite Communications

Breakup by Application:

- Smart Phones
- Wearable Devices
- Others

Breakup by End User:

- Consumer Electronics
- Space and Aviation
- Automotive
- Telecommunications
- Others

Breakup by Region:

- North America
 - United States
 - Canada
- Asia-Pacific

China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Analog Devices Inc., Broadcom Inc., Efficient Power Conversion Corporation, Keysight Technologies Inc., MediaTek Inc., Qorvo Inc., Qualcomm Incorporated, R2 Semiconductor Inc., Rohde & Schwarz GmbH & Co KG, Samsung Electronics Co. Ltd., Skyworks Solutions Inc. and Texas Instruments Incorporated.

Key Questions Answered in This Report:

How has the global envelope tracking chips market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global envelope tracking chips market?

What are the key regional markets?

What is the breakup of the market based on the technology?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global envelope tracking chips market and who are the key players?

What is the degree of competition in the industry?

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