

Asia Pacific Amplifier and Comparator Market Forecast to 2030 – COVID-19 Impact and Regional Analysis – by Type (Amplifier and Comparator) and Application (Industrial Sector, Communications Sector, Computing Devices, Consumer Electronics Devices, Automotive, Military & Aerospace, and Others)

<https://marketpublishers.com/r/A83224594168EN.html>

Date: August 2023

Pages: 138

Price: US\$ 3,000.00 (Single User License)

ID: A83224594168EN

Abstracts

The Asia Pacific amplifier and comparator market is expected to grow from US\$ 5,171.25 million in 2023 to US\$ 7,651.21 million by 2030; it is estimated to grow at a CAGR of 5.8% from 2023 to 2030.

Increasing Demand for Optical Amplifiers

Optical amplifiers are important in optical communication and laser applications as they amplify optical signals without converting them into electrical signals. This property minimizes signal degradation and improves the overall system performance. The main applications of optical amplifiers include long-haul and metro networks, fiber-to-the-home (FTTH), dense wavelength duplication, coherent optical systems, and optical fiber testing. A semiconductor optical amplifier is a low-cost option used to provide a high-performance in long-distance wavelength division multiplexing (WDM) networks; due to this characteristic, the optical fibers are used in in-line amplification, an optical network, general purpose tests and measurements, and fiber sensing.

Businesses, processes, and organizations are undergoing rapid digital transformations, leading to the increasing adoption of optical fiber in the region. Thus, various governments are taking several initiatives to develop the optical fiber infrastructure in

their countries. In April 2023, the Indian Ministry of Road Transport & Highways announced that the National Highways Authority of India (NHAI) plans to build ~10,000 km of optical fiber cable (OFC) infrastructure nationwide by 2024–2025. Optical amplifiers act as optical repeaters in long-distance, fiber-optic communications. Thus, the increasing demand for optical amplifiers with the rise in the implementation of various modern network types bolsters the amplifier and comparator market growth.

Asia Pacific Amplifier and Comparator Market Overview

The amplifier and comparator market in APAC is segmented into South Korea, India, China, Japan, Australia, and the Rest of Asia Pacific. The region comprises various growing economies—India, China, Indonesia, and the Philippines. These countries are witnessing a gradual rise in the adoption of advanced technologies. Further, the availability of low labor costs, low taxes and duties, and a strong business ecosystem are luring global players in the electronic manufacturing industry to expand their manufacturing facilities in this region. In September 2021, Molex, one of the world's leading manufacturers of electronic, electrical, and fiber optic connectivity systems, announced it is expanding its existing manufacturing operations in Hanoi, Vietnam. With this strategic development, the company is expected to support the growing demand for its products across various applications, including smartphones, TVs, and home appliances. Thus, the growing manufacturing industry in Asia Pacific is anticipated to offer lucrative opportunities for the amplifier and comparator market in the coming years.

Asia Pacific Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)

Asia Pacific Amplifier and Comparator Market Segmentation

The Asia Pacific amplifier and comparator market is segmented based on type, application, and country. Based on type, the Asia Pacific amplifier and comparator market is bifurcated into amplifier and comparator. The amplifier segment held a larger market share in 2023.

Based on application, the Asia Pacific amplifier and comparator market is segmented into industrial sector, communications sector, computing devices, consumer electronics devices, automotive, military & aerospace, and others. The industrial sector segment held the largest market share in 2023.

Based on country, the Asia Pacific amplifier and comparator market is segmented into Taiwan, China, India, Japan, South Korea, and the Rest of Asia Pacific. China dominated the Asia Pacific amplifier and comparator market share in 2023.

ABLIC Inc; Analog Devices Inc; Broadcom Inc; Microchip Technology Inc; NXP Semiconductors; On Semiconductor; Renesas Electronics Corporation; Skyworks Solutions Inc; STMicroelectronics NV; and Texas Instruments Inc are the leading companies operating in the Asia Pacific amplifier and comparator market.

Contents

1. INTRODUCTION

- 1.1 Study Scope
- 1.2 The Insight Partners Research Report Guidance
- 1.3 Market Segmentation

2. KEY TAKEAWAYS

3. RESEARCH METHODOLOGY

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

4. ASIA PACIFIC AMPLIFIER AND COMPARATOR MARKET LANDSCAPE

- 4.1 Market Overview
- 4.2 PEST Analysis
- 4.3 Ecosystem Analysis
- 4.4 Expert Opinion

5. ASIA PACIFIC AMPLIFIER AND COMPARATOR MARKET- KEY MARKET DYNAMICS

- 5.1 Market Drivers
 - 5.1.1 Increasing Demand for Optical Amplifiers
 - 5.1.2 Adoption of Advanced Driver-Assistance Systems
- 5.2 Market Restraint
 - 5.2.1 Physical Limitations of Operational Amplifiers
- 5.3 Market Opportunities
 - 5.3.1 Growing Emphasis on Industrial Automation
- 5.4 Market Trends
 - 5.4.1 Rising Adoption of Electronic Transportation
- 5.5 Impact Analysis of Drivers and Restraints

6. AMPLIFIER AND COMPARATOR MARKET– ASIA PACIFIC MARKET ANALYSIS

- 6.1 Amplifier and Comparator Market Asia Pacific Overview
- 6.2 Asia Pacific Amplifier and Comparator Market Forecast and Analysis

7. ASIA PACIFIC AMPLIFIER AND COMPARATOR MARKET REVENUE AND FORECAST TO 2030 – TYPE.

- 7.1 Overview
- 7.2 Amplifier and Comparator Market, By Type (2022 and 2030)
- 7.3 Amplifier
 - 7.3.1 Overview
 - 7.3.2 Amplifier: Amplifier and Comparator Market Revenue and Forecast To 2030 (US\$ Million)
- 7.4 Comparator
 - 7.4.1 Overview
 - 7.4.2 Comparator: Amplifier and Comparator Market Revenue and Forecast To 2030 (US\$ Million)

8. ASIA PACIFIC AMPLIFIER AND COMPARATOR MARKET REVENUE AND FORECAST TO 2030 – APPLICATION

- 8.1 Overview
- 8.2 Amplifier and Comparator Market, By Application (2022 and 2030)
- 8.3 Industrial Sector
 - 8.3.1 Overview
 - 8.3.2 Industrial Sector: Amplifier and Comparator Market Revenue and Forecast To 2030 (US\$ Million)
- 8.4 Communications Sector
 - 8.4.1 Overview
 - 8.4.2 Communications Sector: Amplifier and Comparator Market Revenue and Forecast To 2030 (US\$ Million)
- 8.5 Computing Devices
 - 8.5.1 Overview
 - 8.5.2 Computing Devices: Amplifier and Comparator Market Revenue and Forecast To 2030 (US\$ Million)
- 8.6 Consumer Electronics Devices
 - 8.6.1 Overview
 - 8.6.2 Consumer Electronics Devices: Amplifier and Comparator Market Revenue and Forecast To 2030 (US\$ Million)
- 8.7 Automotive

8.7.1 Overview

8.7.2 Automotive: Amplifier and Comparator Market Revenue and Forecast To 2030 (US\$ Million)

8.8 Military and Aerospace

8.8.1 Overview

8.8.2 Military and Aerospace: Amplifier and Comparator Market Revenue and Forecast To 2030 (US\$ Million)

8.9 Others

8.9.1 Overview

8.9.2 Others: Amplifier and Comparator Market Revenue and Forecast To 2030 (US\$ Million)

9. ASIA PACIFIC AMPLIFIER AND COMPARATOR MARKET– BY COUNTRY ANALYSIS

9.1 Asia Pacific: Amplifier and Comparator Market

9.1.1 Asia Pacific: Amplifier and Comparator Market, by Key Country

9.1.1.1 Taiwan: Amplifier and Comparator Market– Revenue and Forecast to 2030 (US\$ Million)

9.1.1.1.1 Taiwan: Amplifier and Comparator Market, By Type

9.1.1.1.2 Taiwan: Amplifier and Comparator Market, By Application

9.1.1.2 China: Amplifier and Comparator Market– Revenue and Forecast to 2030 (US\$ Million)

9.1.1.2.1 China: Amplifier and Comparator Market, By Type

9.1.1.2.2 China: Amplifier and Comparator Market, By Application

9.1.1.3 India: Amplifier and Comparator Market– Revenue and Forecast to 2030 (US\$ Million)

9.1.1.3.1 India: Amplifier and Comparator Market, By Type

9.1.1.3.2 India: Amplifier and Comparator Market, By Application

9.1.1.4 Japan: Amplifier and Comparator Market– Revenue and Forecast to 2030 (US\$ Million)

9.1.1.4.1 Japan: Amplifier and Comparator Market, By Type

9.1.1.4.2 Japan: Amplifier and Comparator Market, By Application

9.1.1.5 South Korea: Amplifier and Comparator Market– Revenue and Forecast to 2030 (US\$ Million)

9.1.1.5.1 South Korea: Amplifier and Comparator Market, By Type

9.1.1.5.2 South Korea: Amplifier and Comparator Market, By Application

9.1.1.6 Rest of APAC: Amplifier and Comparator Market– Revenue and Forecast to 2030 (US\$ Million)

9.1.1.6.1 Rest of APAC: Amplifier and Comparator Market, By Type

9.1.1.6.2 Rest of APAC: Amplifier and Comparator Market, By Application

10. INDUSTRY LANDSCAPE

10.1 Overview

10.2 Market Initiative

10.3 Product Development

10.4 Mergers & Acquisitions

11. COMPANY PROFILES

11.1 Analog Devices Inc

11.1.1 Key Facts

11.1.2 Business Description

11.1.3 Products and Services

11.1.4 Financial Overview

11.1.5 SWOT Analysis

11.1.6 Key Developments

11.2 Broadcom Inc

11.2.1 Key Facts

11.2.2 Business Description

11.2.3 Products and Services

11.2.4 Financial Overview

11.2.5 SWOT Analysis

11.2.6 Key Developments

11.3 STMicroelectronics NV

11.3.1 Key Facts

11.3.2 Business Description

11.3.3 Products and Services

11.3.4 Financial Overview

11.3.5 SWOT Analysis

11.3.6 Key Developments

11.4 Microchip Technology Inc

11.4.1 Key Facts

11.4.2 Business Description

11.4.3 Products and Services

11.4.4 Financial Overview

11.4.5 SWOT Analysis

- 11.4.6 Key Developments
- 11.5 NXP Semiconductors NV
 - 11.5.1 Key Facts
 - 11.5.2 Business Description
 - 11.5.3 Products and Services
 - 11.5.4 Financial Overview
 - 11.5.5 SWOT Analysis
 - 11.5.6 Key Developments
- 11.6 On Semiconductor Corp
 - 11.6.1 Key Facts
 - 11.6.2 Business Description
 - 11.6.3 Products and Services
 - 11.6.4 Financial Overview
 - 11.6.5 SWOT Analysis
 - 11.6.6 Key Developments
- 11.7 Renesas Electronics Corp
 - 11.7.1 Key Facts
 - 11.7.2 Business Description
 - 11.7.3 Products and Services
 - 11.7.4 Financial Overview
 - 11.7.5 SWOT Analysis
 - 11.7.6 Key Developments
- 11.8 Skyworks Solutions Inc
 - 11.8.1 Key Facts
 - 11.8.2 Business Description
 - 11.8.3 Products and Services
 - 11.8.4 Financial Overview
 - 11.8.5 SWOT Analysis
 - 11.8.6 Key Developments
- 11.9 Texas Instruments Inc
 - 11.9.1 Key Facts
 - 11.9.2 Business Description
 - 11.9.3 Products and Services
 - 11.9.4 Financial Overview
 - 11.9.5 SWOT Analysis
 - 11.9.6 Key Developments
- 11.10 ABLIC Inc
 - 11.10.1 Key Facts
 - 11.10.2 Business Description

- 11.10.3 Products and Services
- 11.10.4 Financial Overview
- 11.10.5 SWOT Analysis
- 11.10.6 Key Developments

12. APPENDIX

- 12.1 About The Insight Partners
- 12.2 Word Index

List Of Tables

LIST OF TABLES

Table 1. Asia Pacific Amplifier and Comparator Market, Revenue and Forecast, 2020–2030 (US\$ Million)

Table 2. Taiwan: Amplifier and Comparator Market, By Type – Revenue and Forecast to 2030 (US\$ Million)

Table 3. Taiwan: Amplifier and Comparator Market, By Application – Revenue and Forecast to 2030 (US\$ Million)

Table 4. China: Amplifier and Comparator Market, By Type – Revenue and Forecast to 2030 (US\$ Million)

Table 5. China: Amplifier and Comparator Market, By Application – Revenue and Forecast to 2030 (US\$ Million)

Table 6. India: Amplifier and Comparator Market, By Type – Revenue and Forecast to 2030 (US\$ Million)

Table 7. India: Amplifier and Comparator Market, By Application – Revenue and Forecast to 2030 (US\$ Million)

Table 8. Japan: Amplifier and Comparator Market, By Type – Revenue and Forecast to 2030 (US\$ Million)

Table 9. Japan: Amplifier and Comparator Market, By Application – Revenue and Forecast to 2030 (US\$ Million)

Table 10. South Korea: Amplifier and Comparator Market, By Type – Revenue and Forecast to 2030 (US\$ Million)

Table 11. South Korea: Amplifier and Comparator Market, By Application – Revenue and Forecast to 2030 (US\$ Million)

Table 12. Rest of APAC: Amplifier and Comparator Market, By Type – Revenue and Forecast to 2030 (US\$ Million)

Table 13. Rest of APAC: Amplifier and Comparator Market, By Application – Revenue and Forecast to 2030 (US\$ Million)

Table 14. List of Abbreviation

List Of Figures

LIST OF FIGURES

- Figure 1. Asia Pacific Amplifier and Comparator Market Segmentation
- Figure 2. Asia Pacific Amplifier and Comparator Market Segmentation – by Country
- Figure 3. Asia Pacific Amplifier and Comparator Market Overview
- Figure 4. Asia Pacific Amplifier and Comparator Market, By Type
- Figure 5. Asia Pacific Amplifier and Comparator Market, By Application
- Figure 6. Asia Pacific Amplifier and Comparator Market, By Country
- Figure 7. Asia Pacific: PEST Analysis
- Figure 8. Asia Pacific Amplifier and Comparator Market Ecosystem Analysis
- Figure 9. Asia Pacific Expert Opinion
- Figure 10. Asia Pacific Amplifier and Comparator Market: Impact Analysis of Drivers and Restraints
- Figure 11. Asia Pacific Amplifier and Comparator Market, Forecast and Analysis (US\$ Million)
- Figure 12. Asia Pacific Amplifier and Comparator Market, By Type (2022 and 2030)
- Figure 13. Amplifier: Asia Pacific Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 14. Comparator: Asia Pacific Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 15. Asia Pacific Amplifier and Comparator Market, By Application (2022 and 2030)
- Figure 16. Industrial Sector: Asia Pacific Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 17. Communications Sector: Asia Pacific Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 18. Computing Devices: Asia Pacific Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 19. Consumer Electronics Devices: Asia Pacific Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 20. Automotive: Asia Pacific Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 21. Military and Aerospace: Asia Pacific Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 22. Others: Asia Pacific Amplifier and Comparator Market Revenue and Forecast to 2030 (US\$ Million)
- Figure 23. Asia Pacific: Amplifier and Comparator Market, by Key Country – Revenue

(2022) (US\$ Million)

Figure 24. Asia Pacific: Amplifier and Comparator Revenue Share, by Key Country
(2022 and 2030)

Figure 25. Taiwan: Amplifier and Comparator Market– Revenue and Forecast to 2030
(US\$ Million)

Figure 26. China: Amplifier and Comparator Market– Revenue and Forecast to 2030
(US\$ Million)

Figure 27. India: Amplifier and Comparator Market– Revenue and Forecast to 2030
(US\$ Million)

Figure 28. Japan: Amplifier and Comparator Market– Revenue and Forecast to 2030
(US\$ Million)

Figure 29. South Korea: Amplifier and Comparator Market– Revenue and Forecast to
2030 (US\$ Million)

Figure 30. Rest of APAC: Amplifier and Comparator Market– Revenue and Forecast to
2030 (US\$ Million)

I would like to order

Product name: Asia Pacific Amplifier and Comparator Market Forecast to 2030 – COVID-19 Impact and Regional Analysis – by Type (Amplifier and Comparator) and Application (Industrial Sector, Communications Sector, Computing Devices, Consumer Electronics Devices, Automotive, Military & Aerospace, and Others)

Product link: <https://marketpublishers.com/r/A83224594168EN.html>

Price: US\$ 3,000.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A83224594168EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970