

# Global Wide Bandwidth (? 5MHz) Precision Op Amps Market Research Report 2016

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## Abstracts

This report studies Wide Bandwidth (? 5MHz) Precision Op Amps in Global market, especially in North America, Europe, China, Japan, Taiwan and India, focuses on top manufacturers in global market, with capacity, production, price, revenue and market share for each manufacturer, covering

LINEAR DIMENSIONS SEMICONDUCTOR

Linear Technology

ANALOG DEVICES.

Intersil Corporation

HAMAMATSU CORPORATION

NTE ELECTRONICS

Toshiba Semiconductor

MAXIM INTEGRATED PRODUCTS

TEXAS INSTRUMENT

INTERNATIONAL RECTIFIER

NATIONAL SEMICONDUCTOR

SANYO SEMICON DEVICE

NEW JAPAN RADIO

New Jersey Semi-Conductor Products, Inc.

Tyco Electronics

Microsemi Corporation

Market Segment by Regions, this report splits Global into several key Regions, with production, consumption, revenue, market share and growth rate of Wide Bandwidth (? 5MHz) Precision Op Amps in these regions, from 2011 to 2021 (forecast), like

North America

China

Europe

Japan

Taiwan

India

Row

Split by Product Bandwidth and Channels, with production, revenue, price, market share and growth rate of each type, can be divided into

5.0-8.0MHZ

1 Channel

2 Channels

4 Channels

8.0-16.0MHZ

1 Channel

2 Channels

4 Channels

17.0-22.0MHZ

1 Channel

2 Channels

4 Channels

23.0-45.0MHZ

1 Channel

2 Channels

4 Channels

45.0-120.0MHZ

1 Channel

2 Channels

4 Channels

Above 120MHZ

1 Channel

2 Channels

## 4 Channels

Split by applications, this report focuses on consumption, market share and growth rate of Wide Bandwidth (? 5MHz) Precision Op Amps in each application, can be divided into

Automatic Control System

Measuring Instruments

Sound Equipment

Headset

Sound Card

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Figure Manufacturing Process Analysis of Wide Bandwidth (? 5MHz) Precision Op Amps

Figure Wide Bandwidth (? 5MHz) Precision Op Amps Measuring Instruments Chain Analysis

Table Raw Materials Sources of Wide Bandwidth (? 5MHz) Precision Op Amps Major Manufacturers in 2015

Table Major Buyers of Wide Bandwidth (? 5MHz) Precision Op Amps

Table Distributors/Traders List

Figure Global Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production and Growth Rate Forecast (2016-2021)

Figure Global Wide Bandwidth (? 5MHz) Precision Op Amps Revenue and Growth Rate Forecast (2016-2021)

Table Global Wide Bandwidth (? 5MHz) Precision Op Amps Production Forecast by Regions (2016-2021)

Table Global Wide Bandwidth (? 5MHz) Precision Op Amps Consumption Forecast by Regions (2016-2021)

Table Global Wide Bandwidth (? 5MHz) Precision Op Amps Production Forecast by Type (2016-2021)

Table Global Wide Bandwidth (? 5MHz) Precision Op Amps Consumption Forecast by Application (2016-2021)

1 Wide Bandwidth (? 5MHz) Precision Op Amps Market Overview

1.1 Product Overview and Scope of Wide Bandwidth (? 5MHz) Precision Op Amps

Wide Bandwidth (? 5MHz) Precision Op Amps is a DC-coupled high-gain electronic voltage amplifier with a differential input and, usually, a single-ended output. In this configuration, an op-amp produces an output potential (relative to circuit ground) that is typically hundreds of thousands of times larger than the potential difference between its input terminals. Generally, the bandwidth for wide bandwidth precision op Amps is larger than 5MHz. Operational amplifiers had their origins in analog computers, where they were used to perform mathematical operations in many linear, non-linear and frequency-dependent circuits.

Figure Picture of Wide Bandwidth (? 5MHz) Precision Op Amps

Source: Texas Instrument, QYR Electronics Research Center, Dec. 2016

1.2 Wide Bandwidth (? 5MHz) Precision Op Amps Segment by Supply Voltages and Channels

1.2.1 Global Production Market Share of Wide Bandwidth (? 5MHz) Precision Op Amps by Supply Voltages and Channels in 2015

Figure Global Production Market Share of Wide Bandwidth (? 5MHz) Precision Op Amps by Supply Voltages and Channels in 2015

Source: QYR Electronics Research Center, Dec. 2016

Table Classification of Wide Bandwidth (? 5MHz) Precision Op Amps Supply Voltages and Channels

## Feature

### Description

1

2

3

Source: QYR Electronics Research Center, Dec. 2016

#### 1.2.2 5.0-8.0MHZ

Figure Product Picture of 5.0-8.0MHZ

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of 5.0-8.0MHZ

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

Source: Above Companies; QYR Electronics Research Center, Dec. 2016

#### 1.2.2.1 1 Channel

#### 1.2.2.2 2 Channels

#### 1.2.2.3 4 Channels

#### 1.2.3 8.0-16.0MHZ

Figure Product Picture of 8.0-16.0MHZ

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of 8.0-16.0MHZ

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

Source: Above Companies; QYR Electronics Research Center, Dec. 2016

#### 1.2.3.1 1 Channel

#### 1.2.3.2 2 Channels

#### 1.2.3.3 4 Channels

#### 1.2.4 17.0-22.0MHZ

Figure Product Picture of 17.0-22.0MHZ

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of 17.0-22.0MHZ

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

Source: Above Companies; QYR Electronics Research Center, Dec. 2016

1.2.4.1 1 Channel

1.2.4.2 2 Channels

1.2.4.3 4 Channels

1.2.5 23.0-45.0MHZ

Figure Product Picture of 23.0-45.0MHZ

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of 23.0-45.0MHZ

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

Source: Above Companies; QYR Electronics Research Center, Dec. 2016

1.2.5.1 1 Channel

1.2.5.2 2 Channels

1.2.5.3 4 Channels

1.2.6 45.0-120.0MHZ

Figure Product Picture of 45.0-120.0MHZ

Source: QYR Electronics Research Center, Dec. 2016

Table Major Manufacturers of 45.0-120.0MHZ

Manufacturers

Location of Manufacturing Bases/Factories

1

2

3

Source: Above Companies; QYR Electronics Research Center, Dec. 2016

1.2.6.1 1 Channel

1.2.6.2 2 Channels

1.2.6.3 4 Channels

1.2.7 Above 120.0MHZ

1.2.7.1 1 Channel

1.2.7.2 2 Channels

1.2.7.3 4 Channels

1.3 Wide Bandwidth (? 5MHz) Precision Op Amps Segment by Applications

1.3.1 Wide Bandwidth (? 5MHz) Precision Op Amps Consumption Market Share by Applications in 2015

Table Wide Bandwidth (? 5MHz) Precision Op Amps Consumption Market Share by Applications in 2015

Source: QYR Electronics Research Center, Dec. 2016

Table Applications of Wide Bandwidth (? 5MHz) Precision Op Amps

Applications

Feature

Description

1

2

3

Source: QYR Electronics Research Center, Dec. 2016

1.3.2 Automatic Control System

Automatic Control System

Figure Automatic Control System Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.3 Measuring Instruments

Measuring Instruments

Figure Measuring Instruments Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.4 Sound Equipment

Sound Equipment

Figure Sound Equipment Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.5 Headset

Headset

Figure Headset Examples

Source: QYR Electronics Research Center, Dec. 2016

1.3.6 Sound Card

Sound Card

Figure Sound Card Examples

Source: QYR Electronics Research Center, Dec. 2016

1.4 Wide Bandwidth (? 5MHz) Precision Op Amps Market by Regions

1.4.1 North America Status and Prospect (2011-2021)

Figure North America Wide Bandwidth (? 5MHz) Precision Op Amps Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

1.4.2 China Status and Prospect (2011-2021)

Figure China Wide Bandwidth (? 5MHz) Precision Op Amps Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

#### 1.4.3 Europe Status and Prospect (2011-2021)

Figure Europe Wide Bandwidth (? 5MHz) Precision Op Amps Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

#### 1.4.4 Japan Status and Prospect (2011-2021)

Figure Japan Wide Bandwidth (? 5MHz) Precision Op Amps Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

#### 1.4.5 Taiwan Status and Prospect (2011-2021)

Figure Taiwan Wide Bandwidth (? 5MHz) Precision Op Amps Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

#### 1.4.6 India Status and Prospect (2011-2021)

Figure India Wide Bandwidth (? 5MHz) Precision Op Amps Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

#### 1.4.7 Row Status and Prospect (2011-2021)

Figure Row Wide Bandwidth (? 5MHz) Precision Op Amps Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

1.5 Global Market Size (Value) of Wide Bandwidth (? 5MHz) Precision Op Amps (2011-2021)

Figure Global Wide Bandwidth (? 5MHz) Precision Op Amps Revenue (Million USD) and Growth Rate (2011-2021)

Source: QYR Electronics Research Center, Dec. 2016

2 Global Wide Bandwidth (? 5MHz) Precision Op Amps Market Competition by Manufacturers

2.1 Global Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production and Share by Manufacturers (2015 and 2016)

Table Global Wide Bandwidth (? 5MHz) Precision Op Amps Capacity of Key Manufacturers (2015 and 2016)

Capacity

LINEAR DIMENSIONS SEMICONDUCTOR

Linear Technology

ANALOG DEVICES.

Intersil Corporation

HAMAMATSU CORPORATION

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016  
Table Global Wide Bandwidth (? 5MHz) Precision Op Amps Capacity Market Share of  
Key Manufacturers (2015 and 2016)

Capacity

LINEAR DIMENSIONS SEMICONDUCTOR

Linear Technology

ANALOG DEVICES.

Intersil Corporation

HAMAMATSU CORPORATION

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016  
Figure Global Wide Bandwidth (? 5MHz) Precision Op Amps Capacity of Key  
Manufacturers in 2015

Source: Above companies; QYR Electronics Research Center, Dec. 2016  
Figure Global Wide Bandwidth (? 5MHz) Precision Op Amps Capacity of Key  
Manufacturers in 2016

Source: Above companies; QYR Electronics Research Center, Dec. 2016  
Table Global Wide Bandwidth (? 5MHz) Precision Op Amps Production of Key  
Manufacturers (2015 and 2016)

Production

LINEAR DIMENSIONS SEMICONDUCTOR

Linear Technology

ANALOG DEVICES.

Intersil Corporation

HAMAMATSU CORPORATION

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016  
Table Global Wide Bandwidth (? 5MHz) Precision Op Amps Production Share by  
Manufacturers (2015 and 2016)

Production Share

2015

2016

LINEAR DIMENSIONS SEMICONDUCTOR

Linear Technology

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016  
Figure 2015 Wide Bandwidth (? 5MHz) Precision Op Amps Production Share by  
Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016



Figure 2016 Wide Bandwidth (? 5MHz) Precision Op Amps Production Share by Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.2 Global Wide Bandwidth (? 5MHz) Precision Op Amps Revenue and Share by Manufacturers (2015 and 2016)

Table Global Wide Bandwidth (? 5MHz) Precision Op Amps Revenue (Million USD) by Manufacturers (2015 and 2016)

Revenue

LINEAR DIMENSIONS SEMICONDUCTOR

Linear Technology

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table Global Wide Bandwidth (? 5MHz) Precision Op Amps Revenue Share by Manufacturers (2015 and 2016)

Revenue Share

LINEAR DIMENSIONS SEMICONDUCTOR

Linear Technology

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table 2015 Global Wide Bandwidth (? 5MHz) Precision Op Amps Revenue Share by Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table 2016 Global Wide Bandwidth (? 5MHz) Precision Op Amps Revenue Share by Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.3 Global Wide Bandwidth (? 5MHz) Precision Op Amps Average Price by Manufacturers (2015 and 2016)

Table Global Market Wide Bandwidth (? 5MHz) Precision Op Amps Average Price of Key Manufacturers (2015 and 2016)

LINEAR DIMENSIONS SEMICONDUCTOR

Linear Technology

Total

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure Global Market Wide Bandwidth (? 5MHz) Precision Op Amps Average Price of Key Manufacturers in 2015

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.4 Manufacturers Wide Bandwidth (? 5MHz) Precision Op Amps Manufacturing Base Distribution, Sales Area, Product Bandwidth and Channels

Table Manufacturers Wide Bandwidth (? 5MHz) Precision Op Amps Manufacturing

Base Distribution and Sales Area

Manufacturing Base Distribution

Sales Area

LINEAR DIMENSIONS SEMICONDUCTOR

Linear Technology

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Table Manufacturers Wide Bandwidth (? 5MHz) Precision Op Amps Product Bandwidth and Channels

Product Bandwidth and Channels

LINEAR DIMENSIONS SEMICONDUCTOR

Linear Technology

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.5 Wide Bandwidth (? 5MHz) Precision Op Amps Market Competitive Situation and Trends?

2.5.1 Wide Bandwidth (? 5MHz) Precision Op Amps Market Concentration Rate

2.5.2 Wide Bandwidth (? 5MHz) Precision Op Amps Market Share of Top 3 and Top 5

Manufacturers

Figure Wide Bandwidth (? 5MHz) Precision Op Amps Market Share of Top 3

Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

Figure Wide Bandwidth (? 5MHz) Precision Op Amps Market Share of Top 5

Manufacturers

Source: Above companies; QYR Electronics Research Center, Dec. 2016

2.5.3 Mergers & Acquisitions, Expansion

3 Global Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production, Revenue (Value) by Regions (2011-2016)

3.1 Global Wide Bandwidth (? 5MHz) Precision Op Amps Capacity and Market Share by Regions (2011-2016)

Table Global Wide Bandwidth (? 5MHz) Precision Op Amps Capacity by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Wide Bandwidth (? 5MHz) Precision Op Amps Capacity Market Share by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Wide Bandwidth (? 5MHz) Precision Op Amps Capacity Market Share by Regions (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Global Wide Bandwidth (? 5MHz) Precision Op Amps Capacity Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

3.2 Global Wide Bandwidth (? 5MHz) Precision Op Amps Production and Market Share by Regions (2011-2016)

Table Global Wide Bandwidth (? 5MHz) Precision Op Amps Production by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Wide Bandwidth (? 5MHz) Precision Op Amps Production and Market Share by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Wide Bandwidth (? 5MHz) Precision Op Amps Production Market Share by Regions (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Global Wide Bandwidth (? 5MHz) Precision Op Amps Production Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

3.3 Global Wide Bandwidth (? 5MHz) Precision Op Amps Revenue (Value) and Market Share by Regions (2011-2016)

Table Global Wide Bandwidth (? 5MHz) Precision Op Amps Revenue by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global Wide Bandwidth (? 5MHz) Precision Op Amps Revenue Market Share by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Table 2015 Global Wide Bandwidth (? 5MHz) Precision Op Amps Revenue Market

## Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

3.4 Global Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Global Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.5 North America Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table North America Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.6 Europe Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Europe Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

## Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.7 China Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table China Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

## Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.8 Japan Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Japan Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

## Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.9 Taiwan Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Taiwan Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

## Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.10 India Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table India Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

## Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

3.11 Row Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Row Wide Bandwidth (? 5MHz) Precision Op Amps Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

## Gross Margin

Source: QYR Electronics Research Center, Dec. 2016

4 Global Wide Bandwidth (? 5MHz) Precision Op Amps Supply (Production), Consumption, Export, Import by Regions (2011-2016)

4.1 Global Wide Bandwidth (? 5MHz) Precision Op Amps Consumption by Regions (2011-2016)

Table Global Wide Bandwidth (? 5MHz) Precision Op Amps Consumption Market by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Table Global Wide Bandwidth (? 5MHz) Precision Op Amps Consumption Market Share by Regions (2011-2016)

North America

Europe

China

Japan

Taiwan

India

Row

ROW

Total

Source: QYR Electronics Research Center, Dec. 2016

Figure Global Wide Bandwidth (? 5MHz) Precision Op Amps Consumption Market Share by Regions (2011-2016)

Source: QYR Electronics Research Center, Dec. 2016

Figure 2015 Global Wide Bandwidth (? 5MHz) Precision Op Amps Consumption Market Share by Regions

Source: QYR Electronics Research Center, Dec. 2016

4.2 North America Wide Bandwidth (? 5MHz) Precision Op Amps Production, Consumption, Export, Import by Regions (2011-2016)

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