

Global MLCC for 5G Base Station 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 MLCC for 5G Base Station market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

Multilayer capacitors consist of a monolithic ceramic block with comb-like sintered electrodes. These electrodes come to the surface at the face ends of the ceramic block where an electrical contact is made by burnt-in metallic layers. 5G communication can be used for high-speed processing of large capacity data in the high frequency range, but due to the characteristics of the high frequency range, many base stations are required. Moreover, compared to 4G LTE, the number of receiving antennas and components in 5G communication base stations increases, resulting in increased power consumption and heat generation. Therefore, the MLCC loaded on the 5G communication base station must have the characteristic of high capacity in order to minimize the actual installed area of parts and ensure stable supply of staff. In addition, in order to reduce power loss, high voltage products are required for the characteristics of base stations that use high operating voltage. At the same time, in order to operate normally in environmental changes such as temperature and humidity, high reliability is required.

5G is a key and cross-age technology that opens the era of the Internet of Everything, and all countries are grabbing market share. The Global Mobile Economy Development Report 2023 released by GSMA Intelligence pointed out that by the end of 2022, the number of global mobile users would exceed 5.4 billion. The mobile ecosystem supports 16 million jobs directly and 12 million jobs indirectly. China is a leader in 5G technology. According to the latest statistics from the Ministry of Industry and Information

Technology, China newly added 887,000 5G base stations in 2022 (currently reaching 2.312 million, accounting for more than 60% of the world's total), and 110 cities in China have reached gigabit city construction standard. According to the Digital China Development Report (2022) released by the State Internet Information Office, by the end of 2022, China had built a total of 2.312 million 5G base stations, with 561 million 5G users, accounting for more than 60% of the world.

This report is a detailed and comprehensive analysis for global MLCC for 5G Base Station 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 MLCC for 5G Base Station market size and forecasts, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/K Units), 2020-2031

Global MLCC for 5G Base Station market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/K Units), 2020-2031

Global MLCC for 5G Base Station market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/K Units), 2020-2031

Global MLCC for 5G Base Station market shares of main players, shipments in revenue (\$ Million), sales quantity (M Units), and ASP (US\$/K Units), 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 MLCC for 5G Base Station
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global MLCC for 5G Base Station 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 Samsung Electro-Mechanics, Kyocera (AVX), Samwha, Darfon, Holy Stone, Murata, MARUWA, Guangdong Fenghua Advanced Technology Holding, Taiyo Yuden, TDK, etc.

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

Market Segmentation

MLCC for 5G Base Station 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

X7R

X5R

C0G (NP0)

Y5V

Others

Market segment by Application

Macro Base Station

Small Base Station

Major players covered

Samsung Electro-Mechanics

Kyocera (AVX)

Samwha

Darfon

Holy Stone

Murata

MARUWA

Guangdong Fenghua Advanced Technology Holding

Taiyo Yuden

TDK

Nippon Chemi-Con

Vishay

Walsin Technology Corporation

Chaozhou Three-circle

Shenzhen EYANG Technology Development

YAGEO Corporation

NIC Components

Johanson Dielectrics

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 MLCC for 5G Base Station product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of MLCC for 5G Base Station, with price, sales quantity, revenue, and global market share of MLCC for 5G Base Station from 2020 to 2025.

Chapter 3, the MLCC for 5G Base Station competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the MLCC for 5G Base Station 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 MLCC for 5G Base Station 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 MLCC for 5G Base Station.

Chapter 14 and 15, to describe MLCC for 5G Base Station sales channel, distributors, customers, research findings and conclusion.

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