

North America Multi-Layer Ceramic Capacitor (MLCC) Market (2019-2025)

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Abstracts

The North America Multi-Layer Ceramic Capacitor (MLCC) Market would witness market growth of 4.5% CAGR during the forecast period (2019-2025).

In comparison to other kinds of capacitors such as the electrolytic capacitor, MLCC has very small equivalent series resistance (ESR). By using MLCC in an energy circuit, the ripple voltage of production is assumed to decrease. However, the use of MLCC with ultra-low ESR was not regarded in original power-IC designs. Therefore, in the high-frequency area, the feedback circuit phase rotates too much, causing the energy circuit to function unstable and, in the worst case, oscillation. When using MLCC at any cost, it is recommended to connect a low-ohmic resistor more than 10 m in sequence, and the frequency properties may deteriorate.

Miniaturization of electronic appliances is one of the main trends affecting the North American market for multi-layer ceramic capacitors. The growing popularity of new MLCC models with greater capacity, enhanced bypassing, filtering and decoupling capacities positively influences the development of this industry. The MLCC industry is experiencing advances in high technology leading to increased demand from the electronics industry.

Based on Type, the market is segmented into General Capacitor, Array, Serial Construction, Mega Cap and Others. Based on End User, the market is segmented into Electronics, Telecommunications, Data Transmission, Industrial, Automotive and Others. Based on countries, the market is segmented into U.S., Mexico, Canada, and Rest of North America.

The market research report covers the analysis of key stake holders of the market. Key

companies profiled in the report include Murata Manufacturing Co., Ltd., Samsung Electro-Mechanics Co., Ltd., TDK Corporation, Cornell Dubilier Electronics, Inc., AFM Microelectronics, Inc., Yageo Corporation, Walsin Technology Corporation, KEMET Corporation, Vishay InterTechnology, Inc. and Darfon Electronics Corporation.

Scope of the Study

Market Segmentation:

By Type

General Capacitor

Array

Serial Construction

Mega Cap

Others

By End User

Electronics

Telecommunications

Data Transmission

Industrial

Automotive

Others

By Country

US

Canada

Mexico

Rest of North America

Companies Profiled

Murata Manufacturing Co., Ltd.

Samsung Electro-Mechanics Co., Ltd.

TDK Corporation

Cornell Dubilier Electronics, Inc.

Afm Microelectronics, Inc.

Yageo Corporation

Walsin Technology Corporation

KEMET Corporation

Vishay Intertechnology, Inc.

Darfon Electronics Corporation

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Contents

CHAPTER 1. MARKET SCOPE & METHODOLOGY

- 1.1 Market Definition
- 1.2 Objectives
- 1.3 Market Scope
- 1.4 Segmentation
 - 1.4.1 North America Multi-Layer Ceramic Capacitor Market, by Type
 - 1.4.2 North America Multi-Layer Ceramic Capacitor Market, by End User
 - 1.4.3 North America Multi-Layer Ceramic Capacitor Market, by Country
- 1.5 Methodology for the research

CHAPTER 2. MARKET OVERVIEW

- 2.1 Introduction
 - 2.1.1 Overview
 - 2.1.2 Executive Summary
 - 2.1.3 Market Composition and Scenario
- 2.2 Key Factors Impacting the Market
 - 2.2.1 Market Drivers
 - 2.2.2 Market Restraints

CHAPTER 3. MARKET ANALYSIS

- 3.1 KBV Cardinal Matrix
- 3.2 Recent Industry Wide Strategic Developments
 - 3.2.1 Partnerships, Collaborations and Agreements
 - 3.2.2 Product Launches and Expansions
 - 3.2.3 Mergers & Acquisitions
- 3.3 Top Winning Strategies
 - 3.3.1 Key Leading Strategies: Percentage Distribution (2015-2018)
 - 3.3.2 Key Strategic Move: Leading Players

CHAPTER 4. NORTH AMERICA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY TYPE

- 4.1 North America General Capacitor Market by Country
- 4.2 North America Array Market by Country

- 4.3 North America Serial Construction Market by Country
- 4.4 North America Mega Cap Market by Country
- 4.5 North America Other Type Multi-Layer Ceramic Capacitor (MLCC) Market by Country

CHAPTER 5. NORTH AMERICA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY END USE

- 5.1 North America Electronics Multi-Layer Ceramic Capacitor (MLCC) Market by Country
- 5.2 North America Telecommunications Multi-Layer Ceramic Capacitor (MLCC) Market by Country
- 5.3 North America Data Transmission Multi-Layer Ceramic Capacitor (MLCC) Market by Country
- 5.4 North America Industrial Multi-Layer Ceramic Capacitor (MLCC) Market by Country
- 5.5 North America Automotive Multi-Layer Ceramic Capacitor (MLCC) Market by Country
- 5.6 North America Others Multi-Layer Ceramic Capacitor (MLCC) Market by Country

CHAPTER 6. NORTH AMERICA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY COUNTRY

- 6.1 US Multi-Layer Ceramic Capacitor (MLCC) Market
 - 6.1.1 US Multi-Layer Ceramic Capacitor (MLCC) Market by Type
 - 6.1.2 US Multi-Layer Ceramic Capacitor (MLCC) Market by End Use
- 6.2 Canada Multi-Layer Ceramic Capacitor (MLCC) Market
 - 6.2.1 Canada Multi-Layer Ceramic Capacitor (MLCC) Market by Type
 - 6.2.2 Canada Multi-Layer Ceramic Capacitor (MLCC) Market by End Use
- 6.3 Mexico Multi-Layer Ceramic Capacitor (MLCC) Market
 - 6.3.1 Mexico Multi-Layer Ceramic Capacitor (MLCC) Market by Type
 - 6.3.2 Mexico Multi-Layer Ceramic Capacitor (MLCC) Market by End Use
- 6.4 Rest of North America Multi-Layer Ceramic Capacitor (MLCC) Market
 - 6.4.1 Rest of North America Multi-Layer Ceramic Capacitor (MLCC) Market by Type
 - 6.4.2 Rest of North America Multi-Layer Ceramic Capacitor (MLCC) Market by End Use

CHAPTER 7. COMPANY PROFILES

- 7.1 Murata Manufacturing Co., Ltd.

- 7.1.1 Company Overview
- 7.1.2 Financial Analysis
- 7.1.3 Segmental and Regional Analysis
- 7.1.4 Research & Development Expense
- 7.1.5 Recent strategies and developments:
 - 7.1.5.1 Expansions:
- 7.1.6 SWOT Analysis
- 7.2 Samsung Electro-Mechanics Co., Ltd. (Samsung Group)
 - 7.2.1 Company Overview
 - 7.2.2 Financial Analysis
 - 7.2.3 Segmental and Regional Analysis
 - 7.2.4 Research & Development Expenses
 - 7.2.5 Recent strategies and developments:
 - 7.2.5.1 Expansions:
 - 7.2.6 SWOT Analysis
- 7.3 TDK Corporation
 - 7.3.1 Company Overview
 - 7.3.2 Financial Analysis
 - 7.3.3 Segmental and Regional Analysis
 - 7.3.4 Research & Development Expense
 - 7.3.5 SWOT Analysis
- 7.4 Cornell Dubilier Electronics, Inc.
 - 7.4.1 Company Overview
 - 7.4.2 Recent strategies and developments:
 - 7.4.2.1 Acquisition and mergers:
- 7.5 AFM Microelectronics, Inc.
 - 7.5.1 Company Overview
- 7.6 Yageo Corporation
 - 7.6.1 Company Overview
 - 7.6.2 Financial Analysis
 - 7.6.3 Regional Analysis
 - 7.6.4 Research & Development Expense
- 7.7 Walsin Technology Corporation
 - 7.7.1 Company Overview
- 7.8 KEMET Corporation
 - 7.8.1 Company Overview
 - 7.8.2 Financial Analysis
 - 7.8.3 Segment and Regional Analysis
 - 7.8.4 Research & Development Expenses

- 7.8.5 Recent strategies and developments:
 - 7.8.5.1 Product launches:
 - 7.8.5.2 Expansions:
- 7.8.6 SWOT Analysis
- 7.9 Vishay Intertechnology, Inc.
 - 7.9.1 Company Overview
 - 7.9.2 Financial Analysis
 - 7.9.3 Segment and Regional Analysis
 - 7.9.4 Research & Development Expenses
 - 7.9.5 Recent strategies and developments:
 - 7.9.5.1 Collaborations, partnerships and agreements:
 - 7.9.5.2 Product launches:
 - 7.9.6 SWOT Analysis
- 7.1 Darfon Electronics Corporation
 - 7.10.1 Company Overview

List Of Tables

LIST OF TABLES

TABLE 1 NORTH AMERICA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET, 2015 - 2018, USD MILLION

TABLE 2 NORTH AMERICA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET, 2019 - 2025, USD MILLION

TABLE 3 PARTNERSHIPS, COLLABORATIONS AND AGREEMENTS– MULTILAYER CERAMIC CAPACITOR MARKET

TABLE 4 PRODUCT LAUNCHES – MULTILAYER CERAMIC CAPACITOR MARKET

TABLE 5 MERGERS & ACQUISITIONS – MULTILAYER CERAMIC CAPACITOR MARKET

TABLE 6 NORTH AMERICA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY TYPE, 2015 - 2018, USD MILLION

TABLE 7 NORTH AMERICA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY TYPE, 2019 - 2025, USD MILLION

TABLE 8 NORTH AMERICA GENERAL CAPACITOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 9 NORTH AMERICA GENERAL CAPACITOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 10 NORTH AMERICA ARRAY MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 11 NORTH AMERICA ARRAY MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 12 NORTH AMERICA SERIAL CONSTRUCTION MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 13 NORTH AMERICA SERIAL CONSTRUCTION MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 14 NORTH AMERICA MEGA CAP MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 15 NORTH AMERICA MEGA CAP MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 16 NORTH AMERICA OTHER TYPE MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 17 NORTH AMERICA OTHER TYPE MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 18 NORTH AMERICA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY END USE, 2015 - 2018, USD MILLION

TABLE 19 NORTH AMERICA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY END USE, 2019 - 2025, USD MILLION

TABLE 20 NORTH AMERICA ELECTRONICS MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 21 NORTH AMERICA ELECTRONICS MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 22 NORTH AMERICA TELECOMMUNICATIONS MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 23 NORTH AMERICA TELECOMMUNICATIONS MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 24 NORTH AMERICA DATA TRANSMISSION MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 25 NORTH AMERICA DATA TRANSMISSION MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 26 NORTH AMERICA INDUSTRIAL MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 27 NORTH AMERICA INDUSTRIAL MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 28 NORTH AMERICA AUTOMOTIVE MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 29 NORTH AMERICA AUTOMOTIVE MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 30 NORTH AMERICA OTHERS MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 31 NORTH AMERICA OTHERS MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 32 NORTH AMERICA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 33 NORTH AMERICA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 34 US MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET, 2015 - 2018, USD MILLION

TABLE 35 US MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET, 2019 - 2025, USD MILLION

TABLE 36 US MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY TYPE, 2015 - 2018, USD MILLION

TABLE 37 US MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY TYPE, 2019 - 2025, USD MILLION

TABLE 38 US MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY END USE,

2015 - 2018, USD MILLION

TABLE 39 US MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY END USE, 2019 - 2025, USD MILLION

TABLE 40 CANADA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET, 2015 - 2018, USD MILLION

TABLE 41 CANADA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET, 2019 - 2025, USD MILLION

TABLE 42 CANADA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY TYPE, 2015 - 2018, USD MILLION

TABLE 43 CANADA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY TYPE, 2019 - 2025, USD MILLION

TABLE 44 CANADA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY END USE, 2015 - 2018, USD MILLION

TABLE 45 CANADA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY END USE, 2019 - 2025, USD MILLION

TABLE 46 MEXICO MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET, 2015 - 2018, USD MILLION

TABLE 47 MEXICO MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET, 2019 - 2025, USD MILLION

TABLE 48 MEXICO MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY TYPE, 2015 - 2018, USD MILLION

TABLE 49 MEXICO MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY TYPE, 2019 - 2025, USD MILLION

TABLE 50 MEXICO MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY END USE, 2015 - 2018, USD MILLION

TABLE 51 MEXICO MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY END USE, 2019 - 2025, USD MILLION

TABLE 52 REST OF NORTH AMERICA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET, 2015 - 2018, USD MILLION

TABLE 53 REST OF NORTH AMERICA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET, 2019 - 2025, USD MILLION

TABLE 54 REST OF NORTH AMERICA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY TYPE, 2015 - 2018, USD MILLION

TABLE 55 REST OF NORTH AMERICA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY TYPE, 2019 - 2025, USD MILLION

TABLE 56 REST OF NORTH AMERICA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY END USE, 2015 - 2018, USD MILLION

TABLE 57 REST OF NORTH AMERICA MULTI-LAYER CERAMIC CAPACITOR (MLCC) MARKET BY END USE, 2019 - 2025, USD MILLION

TABLE 58 KEY INFORMATION –MURATA MANUFACTURING CO., LTD.
TABLE 59 KEY INFORMATION – SAMSUNG ELECTRO-MECHANICS CO., LTD.
TABLE 60 KEY INFORMATION –TDK CORPORATION
TABLE 61 KEY INFORMATION – CORNELL DUBILIER ELECTRONICS, INC.
TABLE 62 KEY INFORMATION – AFM MICROELECTRONICS, INC.
TABLE 63 KEY INFORMATION – YAGEO CORPORATION
TABLE 64 KEY INFORMATION – WALSIN TECHNOLOGY CORPORATION
TABLE 65 KEY INFORMATION – KEMET CORPORATION
TABLE 66 KEY INFORMATION – VISHAY INTERTECHNOLOGY, INC.
TABLE 67 KEY INFORMATION – DARFON ELECTRONICS CORPORATION

List Of Figures

LIST OF FIGURES

FIG 1 METHODOLOGY FOR THE RESEARCH

FIG 2 KBV CARDINAL MATRIX

FIG 3 KEY LEADING STRATEGIES: PERCENTAGE DISTRIBUTION (2015-2018)

FIG 4 KEY STRATEGIC MOVE: LEADING PLAYERS

FIG 1 SWOT ANALYSIS: MURATA MANUFACTURING CO., LTD.

FIG 3 SWOT ANALYSIS: TDK CORPORATION

FIG 4 RECENT STRATEGIES AND DEVELOPMENTS: KEMET CORPORATION

FIG 5 SWOT ANALYSIS: KEMET CORPORATION

FIG 6 RECENT STRATEGIES AND DEVELOPMENTS: VISHAY

INTERTECHNOLOGY, INC.

FIG 7 SWOT ANALYSIS: VISHAY INTERTECHNOLOGY, INC.

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