

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) ESD Protection Devices Market 2018, Forecast to 2023

<https://marketpublishers.com/r/GD2FF2A8239EN.html>

Date: December 2018

Pages: 134

Price: US\$ 4,392.00 (Single User License)

ID: GD2FF2A8239EN

Abstracts

Circuit protection refers to a wide range of protection devices that safeguard electronic circuits from power disturbances. One of the major components for circuit protection is electrostatic discharge protection device. An ESD protection device protects electrical equipment from electrostatic discharges. ESD is the transfer of energy between any two objects that are differently charged, which can otherwise be hazardous to the electronic device as well as the user.

Scope of the Report:

This report focuses on the ESD Protection Devices in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

The superior suppression performance of ESD suppressor will fuel the adoption rate of ceramic ESD protection devices. The ceramic ESD protection devices are used for high-speed data and signals because its ultra-low capacitance is as low as 0.05 pF. The purchase volume of ceramic ESD devices will continue to increase throughout the estimated period because they are extremely robust and have a long lifetime.

The consumer electronics segment accounted for the majority market shares during due to the increasing penetration of smartphones in the developing countries.

The worldwide market for ESD Protection Devices is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Murata Manufacturing

Nexperia

STMicroelectronics

Texas Instruments

Bourns

Diodes

Infineon Technologies

Kemet

Littelfuse

Panasonic

ProTek Devices

TDK

Vishay

YAGEO

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Ceramic

Silicon

Others

Market Segment by Applications, can be divided into

Consumer Electronics

Telecommunication

Power Infrastructure

Automotive Electronics

Others

There are 15 Chapters to deeply display the global ESD Protection Devices market.

Chapter 1, to describe ESD Protection Devices Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of ESD Protection Devices, with sales, revenue, and price of ESD Protection Devices, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of ESD Protection Devices, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, ESD Protection Devices market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe ESD Protection Devices sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

Contents

1 MARKET OVERVIEW

1.1 ESD Protection Devices Introduction

1.2 Market Analysis by Type

1.2.1 Ceramic

1.2.2 Silicon

1.2.3 Others

1.3 Market Analysis by Applications

1.3.1 Consumer Electronics

1.3.2 Telecommunication

1.3.3 Power Infrastructure

1.3.4 Automotive Electronics

1.3.5 Others

1.4 Market Analysis by Regions

1.4.1 North America (United States, Canada and Mexico)

1.4.1.1 United States Market States and Outlook (2013-2023)

1.4.1.2 Canada Market States and Outlook (2013-2023)

1.4.1.3 Mexico Market States and Outlook (2013-2023)

1.4.2 Europe (Germany, France, UK, Russia and Italy)

1.4.2.1 Germany Market States and Outlook (2013-2023)

1.4.2.2 France Market States and Outlook (2013-2023)

1.4.2.3 UK Market States and Outlook (2013-2023)

1.4.2.4 Russia Market States and Outlook (2013-2023)

1.4.2.5 Italy Market States and Outlook (2013-2023)

1.4.3 Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

1.4.3.1 China Market States and Outlook (2013-2023)

1.4.3.2 Japan Market States and Outlook (2013-2023)

1.4.3.3 Korea Market States and Outlook (2013-2023)

1.4.3.4 India Market States and Outlook (2013-2023)

1.4.3.5 Southeast Asia Market States and Outlook (2013-2023)

1.4.4 South America, Middle East and Africa

1.4.4.1 Brazil Market States and Outlook (2013-2023)

1.4.4.2 Egypt Market States and Outlook (2013-2023)

1.4.4.3 Saudi Arabia Market States and Outlook (2013-2023)

1.4.4.4 South Africa Market States and Outlook (2013-2023)

1.4.4.5 Nigeria Market States and Outlook (2013-2023)

1.5 Market Dynamics

- 1.5.1 Market Opportunities
- 1.5.2 Market Risk
- 1.5.3 Market Driving Force

2 MANUFACTURERS PROFILES

2.1 Murata Manufacturing

2.1.1 Business Overview

2.1.1.1 Murata Manufacturing Description

2.1.1.2 Murata Manufacturing Headquarter, Main Business and Finance Overview

2.1.2 Murata Manufacturing ESD Protection Devices Product Introduction

2.1.2.1 ESD Protection Devices Production Bases, Sales Regions and Major Competitors

2.1.2.2 ESD Protection Devices Product Information

2.1.3 Murata Manufacturing ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.1.3.1 Murata Manufacturing ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.1.3.2 Global Murata Manufacturing ESD Protection Devices Market Share in 2017

2.2 Nexperia

2.2.1 Business Overview

2.2.1.1 Nexperia Description

2.2.1.2 Nexperia Headquarter, Main Business and Finance Overview

2.2.2 Nexperia ESD Protection Devices Product Introduction

2.2.2.1 ESD Protection Devices Production Bases, Sales Regions and Major Competitors

2.2.2.2 ESD Protection Devices Product Information

2.2.3 Nexperia ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.2.3.1 Nexperia ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.2.3.2 Global Nexperia ESD Protection Devices Market Share in 2017

2.3 STMicroelectronics

2.3.1 Business Overview

2.3.1.1 STMicroelectronics Description

2.3.1.2 STMicroelectronics Headquarter, Main Business and Finance Overview

2.3.2 STMicroelectronics ESD Protection Devices Product Introduction

2.3.2.1 ESD Protection Devices Production Bases, Sales Regions and Major Competitors

2.3.2.2 ESD Protection Devices Product Information

2.3.3 STMicroelectronics ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.3.3.1 STMicroelectronics ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.3.3.2 Global STMicroelectronics ESD Protection Devices Market Share in 2017

2.4 Texas Instruments

2.4.1 Business Overview

2.4.1.1 Texas Instruments Description

2.4.1.2 Texas Instruments Headquarter, Main Business and Finance Overview

2.4.2 Texas Instruments ESD Protection Devices Product Introduction

2.4.2.1 ESD Protection Devices Production Bases, Sales Regions and Major Competitors

2.4.2.2 ESD Protection Devices Product Information

2.4.3 Texas Instruments ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.4.3.1 Texas Instruments ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.4.3.2 Global Texas Instruments ESD Protection Devices Market Share in 2017

2.5 Bourns

2.5.1 Business Overview

2.5.1.1 Bourns Description

2.5.1.2 Bourns Headquarter, Main Business and Finance Overview

2.5.2 Bourns ESD Protection Devices Product Introduction

2.5.2.1 ESD Protection Devices Production Bases, Sales Regions and Major Competitors

2.5.2.2 ESD Protection Devices Product Information

2.5.3 Bourns ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.5.3.1 Bourns ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.5.3.2 Global Bourns ESD Protection Devices Market Share in 2017

2.6 Diodes

2.6.1 Business Overview

2.6.1.1 Diodes Description

2.6.1.2 Diodes Headquarter, Main Business and Finance Overview

2.6.2 Diodes ESD Protection Devices Product Introduction

2.6.2.1 ESD Protection Devices Production Bases, Sales Regions and Major Competitors

2.6.2.2 ESD Protection Devices Product Information

2.6.3 Diodes ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.6.3.1 Diodes ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.6.3.2 Global Diodes ESD Protection Devices Market Share in 2017

2.7 Infineon Technologies

2.7.1 Business Overview

2.7.1.1 Infineon Technologies Description

2.7.1.2 Infineon Technologies Headquarter, Main Business and Finance Overview

2.7.2 Infineon Technologies ESD Protection Devices Product Introduction

2.7.2.1 ESD Protection Devices Production Bases, Sales Regions and Major Competitors

2.7.2.2 ESD Protection Devices Product Information

2.7.3 Infineon Technologies ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.7.3.1 Infineon Technologies ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.7.3.2 Global Infineon Technologies ESD Protection Devices Market Share in 2017

2.8 Kemet

2.8.1 Business Overview

2.8.1.1 Kemet Description

2.8.1.2 Kemet Headquarter, Main Business and Finance Overview

2.8.2 Kemet ESD Protection Devices Product Introduction

2.8.2.1 ESD Protection Devices Production Bases, Sales Regions and Major Competitors

2.8.2.2 ESD Protection Devices Product Information

2.8.3 Kemet ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.8.3.1 Kemet ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.8.3.2 Global Kemet ESD Protection Devices Market Share in 2017

2.9 Littelfuse

2.9.1 Business Overview

2.9.1.1 Littelfuse Description

2.9.1.2 Littelfuse Headquarter, Main Business and Finance Overview

2.9.2 Littelfuse ESD Protection Devices Product Introduction

2.9.2.1 ESD Protection Devices Production Bases, Sales Regions and Major Competitors

2.9.2.2 ESD Protection Devices Product Information

2.9.3 Littelfuse ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.9.3.1 Littelfuse ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.9.3.2 Global Littelfuse ESD Protection Devices Market Share in 2017

2.10 Panasonic

2.10.1 Business Overview

2.10.1.1 Panasonic Description

2.10.1.2 Panasonic Headquarter, Main Business and Finance Overview

2.10.2 Panasonic ESD Protection Devices Product Introduction

2.10.2.1 ESD Protection Devices Production Bases, Sales Regions and Major Competitors

2.10.2.2 ESD Protection Devices Product Information

2.10.3 Panasonic ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.10.3.1 Panasonic ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.10.3.2 Global Panasonic ESD Protection Devices Market Share in 2017

2.11 ProTek Devices

2.11.1 Business Overview

2.11.2 ProTek Devices ESD Protection Devices Product Introduction

2.11.3 ProTek Devices ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.12 TDK

2.12.1 Business Overview

2.12.2 TDK ESD Protection Devices Product Introduction

2.12.3 TDK ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.13 Vishay

2.13.1 Business Overview

2.13.2 Vishay ESD Protection Devices Product Introduction

2.13.3 Vishay ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

2.14 YAGEO

2.14.1 Business Overview

2.14.2 YAGEO ESD Protection Devices Product Introduction

2.14.3 YAGEO ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

3 GLOBAL ESD PROTECTION DEVICES MARKET COMPETITION, BY MANUFACTURER

- 3.1 Global ESD Protection Devices Sales and Market Share by Manufacturer (2016-2017)
- 3.2 Global ESD Protection Devices Revenue and Market Share by Manufacturer (2016-2017)
- 3.3 Global ESD Protection Devices Price by Manufacturer (2016-2017)
- 3.4 Market Concentration Rate
 - 3.4.1 Top 3 ESD Protection Devices Manufacturer Market Share in 2017
 - 3.4.2 Top 5 ESD Protection Devices Manufacturer Market Share in 2017
- 3.5 Market Competition Trend

4 GLOBAL ESD PROTECTION DEVICES MARKET ANALYSIS BY REGIONS

- 4.1 Global ESD Protection Devices Sales, Revenue and Market Share by Regions
 - 4.1.1 Global ESD Protection Devices Sales by Regions (2013-2018)
 - 4.1.2 Global ESD Protection Devices Revenue by Regions (2013-2018)
- 4.2 North America ESD Protection Devices Sales, Revenue and Growth Rate (2013-2018)
- 4.3 Europe ESD Protection Devices Sales, Revenue and Growth Rate (2013-2018)
- 4.4 Asia-Pacific ESD Protection Devices Sales, Revenue and Growth Rate (2013-2018)
- 4.5 South America ESD Protection Devices Sales, Revenue and Growth Rate (2013-2018)
- 4.6 Middle East and Africa ESD Protection Devices Sales, Revenue and Growth Rate (2013-2018)

5 NORTH AMERICA ESD PROTECTION DEVICES BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

- 5.1 North America ESD Protection Devices Sales, Revenue and Market Share by Countries
 - 5.1.1 North America ESD Protection Devices Sales by Countries (2013-2018)
 - 5.1.2 North America ESD Protection Devices Revenue by Countries (2013-2018)
 - 5.1.3 United States ESD Protection Devices Sales and Growth Rate (2013-2018)
 - 5.1.4 Canada ESD Protection Devices Sales and Growth Rate (2013-2018)
 - 5.1.5 Mexico ESD Protection Devices Sales and Growth Rate (2013-2018)
- 5.2 North America ESD Protection Devices Sales and Revenue (Value) by

Manufacturers (2016-2017)

5.2.1 North America ESD Protection Devices Sales by Manufacturers (2016-2017)

5.2.2 North America ESD Protection Devices Revenue by Manufacturers (2016-2017)

5.3 North America ESD Protection Devices Sales, Revenue and Market Share by Type (2013-2018)

5.3.1 North America ESD Protection Devices Sales and Sales Share by Type (2013-2018)

5.3.2 North America ESD Protection Devices Revenue and Revenue Share by Type (2013-2018)

5.4 North America ESD Protection Devices Sales, Revenue and Market Share by Application (2013-2018)

5.4.1 North America ESD Protection Devices Sales and Sales Share by Application (2013-2018)

5.4.2 North America ESD Protection Devices Revenue and Revenue Share by Application (2013-2018)

6 EUROPE ESD PROTECTION DEVICES BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

6.1 Europe ESD Protection Devices Sales, Revenue and Market Share by Countries

6.1.1 Europe ESD Protection Devices Sales by Countries (2013-2018)

6.1.2 Europe ESD Protection Devices Revenue by Countries (2013-2018)

6.1.3 Germany ESD Protection Devices Sales and Growth Rate (2013-2018)

6.1.4 UK ESD Protection Devices Sales and Growth Rate (2013-2018)

6.1.5 France ESD Protection Devices Sales and Growth Rate (2013-2018)

6.1.6 Russia ESD Protection Devices Sales and Growth Rate (2013-2018)

6.1.7 Italy ESD Protection Devices Sales and Growth Rate (2013-2018)

6.2 Europe ESD Protection Devices Sales and Revenue (Value) by Manufacturers (2016-2017)

6.2.1 Europe ESD Protection Devices Sales by Manufacturers (2016-2017)

6.2.2 Europe ESD Protection Devices Revenue by Manufacturers (2016-2017)

6.3 Europe ESD Protection Devices Sales, Revenue and Market Share by Type (2013-2018)

6.3.1 Europe ESD Protection Devices Sales and Sales Share by Type (2013-2018)

6.3.2 Europe ESD Protection Devices Revenue and Revenue Share by Type (2013-2018)

6.4 Europe ESD Protection Devices Sales, Revenue and Market Share by Application (2013-2018)

6.4.1 Europe ESD Protection Devices Sales and Sales Share by Application

(2013-2018)

6.4.2 Europe ESD Protection Devices Revenue and Revenue Share by Application
(2013-2018)

7 ASIA-PACIFIC ESD PROTECTION DEVICES BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

7.1 Asia-Pacific ESD Protection Devices Sales, Revenue and Market Share by Countries

7.1.1 Asia-Pacific ESD Protection Devices Sales by Countries (2013-2018)

7.1.2 Asia-Pacific ESD Protection Devices Revenue by Countries (2013-2018)

7.1.3 China ESD Protection Devices Sales and Growth Rate (2013-2018)

7.1.4 Japan ESD Protection Devices Sales and Growth Rate (2013-2018)

7.1.5 Korea ESD Protection Devices Sales and Growth Rate (2013-2018)

7.1.6 India ESD Protection Devices Sales and Growth Rate (2013-2018)

7.1.7 Southeast Asia ESD Protection Devices Sales and Growth Rate (2013-2018)

7.2 Asia-Pacific ESD Protection Devices Sales and Revenue (Value) by Manufacturers
(2016-2017)

7.2.1 Asia-Pacific ESD Protection Devices Sales by Manufacturers (2016-2017)

7.2.2 Asia-Pacific ESD Protection Devices Revenue by Manufacturers (2016-2017)

7.3 Asia-Pacific ESD Protection Devices Sales, Revenue and Market Share by Type
(2013-2018)

7.3.1 Asia-Pacific ESD Protection Devices Sales and Sales Share by Type
(2013-2018)

7.3.2 Asia-Pacific ESD Protection Devices Revenue and Revenue Share by Type
(2013-2018)

7.4 Asia-Pacific ESD Protection Devices Sales, Revenue and Market Share by Application (2013-2018)

7.4.1 Asia-Pacific ESD Protection Devices Sales and Sales Share by Application
(2013-2018)

7.4.2 Asia-Pacific ESD Protection Devices Revenue and Revenue Share by Application (2013-2018)

8 SOUTH AMERICA ESD PROTECTION DEVICES BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

8.1 South America ESD Protection Devices Sales, Revenue and Market Share by Countries

8.1.1 South America ESD Protection Devices Sales by Countries (2013-2018)

- 8.1.2 South America ESD Protection Devices Revenue by Countries (2013-2018)
- 8.1.3 Brazil ESD Protection Devices Sales and Growth Rate (2013-2018)
- 8.1.4 Argentina ESD Protection Devices Sales and Growth Rate (2013-2018)
- 8.1.5 Colombia ESD Protection Devices Sales and Growth Rate (2013-2018)
- 8.2 South America ESD Protection Devices Sales and Revenue (Value) by Manufacturers (2016-2017)
 - 8.2.1 South America ESD Protection Devices Sales by Manufacturers (2016-2017)
 - 8.2.2 South America ESD Protection Devices Revenue by Manufacturers (2016-2017)
- 8.3 South America ESD Protection Devices Sales, Revenue and Market Share by Type (2013-2018)
 - 8.3.1 South America ESD Protection Devices Sales and Sales Share by Type (2013-2018)
 - 8.3.2 South America ESD Protection Devices Revenue and Revenue Share by Type (2013-2018)
- 8.4 South America ESD Protection Devices Sales, Revenue and Market Share by Application (2013-2018)
 - 8.4.1 South America ESD Protection Devices Sales and Sales Share by Application (2013-2018)
 - 8.4.2 South America ESD Protection Devices Revenue and Revenue Share by Application (2013-2018)

9 MIDDLE EAST AND AFRICA ESD PROTECTION DEVICES BY COUNTRIES, TYPE, APPLICATION AND MANUFACTURERS

- 9.1 Middle East and Africa ESD Protection Devices Sales, Revenue and Market Share by Countries
 - 9.1.1 Middle East and Africa ESD Protection Devices Sales by Countries (2013-2018)
 - 9.1.2 Middle East and Africa ESD Protection Devices Revenue by Countries (2013-2018)
 - 9.1.3 Saudi Arabia ESD Protection Devices Sales and Growth Rate (2013-2018)
 - 9.1.4 UAE ESD Protection Devices Sales and Growth Rate (2013-2018)
 - 9.1.5 Egypt ESD Protection Devices Sales and Growth Rate (2013-2018)
 - 9.1.6 Nigeria ESD Protection Devices Sales and Growth Rate (2013-2018)
 - 9.1.7 South Africa ESD Protection Devices Sales and Growth Rate (2013-2018)
- 9.2 Middle East and Africa ESD Protection Devices Sales and Revenue (Value) by Manufacturers (2016-2017)
 - 9.2.1 Middle East and Africa ESD Protection Devices Sales by Manufacturers (2016-2017)
 - 9.2.2 Middle East and Africa ESD Protection Devices Revenue by Manufacturers

(2016-2017)

9.3 Middle East and Africa ESD Protection Devices Sales, Revenue and Market Share by Type (2013-2018)

9.3.1 Middle East and Africa ESD Protection Devices Sales and Sales Share by Type (2013-2018)

9.3.1 Middle East and Africa ESD Protection Devices Revenue and Revenue Share by Type (2013-2018)

9.4 Middle East and Africa ESD Protection Devices Sales, Revenue and Market Share by Application (2013-2018)

9.4.1 Middle East and Africa ESD Protection Devices Sales and Sales Share by Application (2013-2018)

9.4.2 Middle East and Africa ESD Protection Devices Revenue and Revenue Share by Application (2013-2018)

10 GLOBAL ESD PROTECTION DEVICES MARKET SEGMENT BY TYPE

10.1 Global ESD Protection Devices Sales, Revenue and Market Share by Type (2013-2018)

10.1.1 Global ESD Protection Devices Sales and Market Share by Type (2013-2018)

10.1.2 Global ESD Protection Devices Revenue and Market Share by Type (2013-2018)

10.2 Ceramic Sales Growth and Price

10.2.1 Global Ceramic Sales Growth (2013-2018)

10.2.2 Global Ceramic Price (2013-2018)

10.3 Silicon Sales Growth and Price

10.3.1 Global Silicon Sales Growth (2013-2018)

10.3.2 Global Silicon Price (2013-2018)

10.4 Others Sales Growth and Price

10.4.1 Global Others Sales Growth (2013-2018)

10.4.2 Global Others Price (2013-2018)

11 GLOBAL ESD PROTECTION DEVICES MARKET SEGMENT BY APPLICATION

11.1 Global ESD Protection Devices Sales Market Share by Application (2013-2018)

11.2 Consumer Electronics Sales Growth (2013-2018)

11.3 Telecommunication Sales Growth (2013-2018)

11.4 Power Infrastructure Sales Growth (2013-2018)

11.5 Automotive Electronics Sales Growth (2013-2018)

11.6 Others Sales Growth (2013-2018)

12 ESD PROTECTION DEVICES MARKET FORECAST (2018-2023)

- 12.1 Global ESD Protection Devices Sales, Revenue and Growth Rate (2018-2023)
- 12.2 ESD Protection Devices Market Forecast by Regions (2018-2023)
 - 12.2.1 North America ESD Protection Devices Market Forecast (2018-2023)
 - 12.2.2 Europe ESD Protection Devices Market Forecast (2018-2023)
 - 12.2.3 Asia-Pacific ESD Protection Devices Market Forecast (2018-2023)
 - 12.2.4 South America ESD Protection Devices Market Forecast (2018-2023)
 - 12.2.5 Middle East and Africa ESD Protection Devices Market Forecast (2018-2023)
- 12.3 ESD Protection Devices Market Forecast by Type (2018-2023)
 - 12.3.1 Global ESD Protection Devices Sales Forecast by Type (2018-2023)
 - 12.3.2 Global ESD Protection Devices Market Share Forecast by Type (2018-2023)
- 12.4 ESD Protection Devices Market Forecast by Application (2018-2023)
 - 12.4.1 Global ESD Protection Devices Sales Forecast by Application (2018-2023)
 - 12.4.2 Global ESD Protection Devices Market Share Forecast by Application (2018-2023)

13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS

- 13.1 Sales Channel
 - 13.1.1 Direct Marketing
 - 13.1.2 Indirect Marketing
 - 13.1.3 Marketing Channel Future Trend
- 13.2 Distributors, Traders and Dealers

14 RESEARCH FINDINGS AND CONCLUSION

15 APPENDIX

- 15.1 Methodology
- 15.2 Data Source

List Of Tables

LIST OF TABLES AND FIGURES

Figure ESD Protection Devices Picture

Table Product Specifications of ESD Protection Devices

Figure Global ESD Protection Devices CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (USD Million)

Figure Global ESD Protection Devices CAGR (%), Y-o-Y Growth (&) and Market Size, 2013-2023 (Sales)

Figure Global Sales Market Share of ESD Protection Devices by Types in 2017

Figure Ceramic Picture

Table Major Manufacturers of Ceramic

Figure Silicon Picture

Table Major Manufacturers of Silicon

Figure Others Picture

Table Major Manufacturers of Others

Figure ESD Protection Devices Sales Market Share by Applications in 2017

Figure Consumer Electronics Picture

Figure Telecommunication Picture

Figure Power Infrastructure Picture

Figure Automotive Electronics Picture

Figure Others Picture

Figure United States ESD Protection Devices Revenue (Value) and Growth Rate (2013-2023)

Figure Canada ESD Protection Devices Revenue (Value) and Growth Rate (2013-2023)

Figure Mexico ESD Protection Devices Revenue (Value) and Growth Rate (2013-2023)

Figure Germany ESD Protection Devices Revenue (Value) and Growth Rate (2013-2023)

Figure France ESD Protection Devices Revenue (Value) and Growth Rate (2013-2023)

Figure UK ESD Protection Devices Revenue (Value) and Growth Rate (2013-2023)

Figure Russia ESD Protection Devices Revenue (Value) and Growth Rate (2013-2023)

Figure Italy ESD Protection Devices Revenue (Value) and Growth Rate (2013-2023)

Figure China ESD Protection Devices Revenue (Value) and Growth Rate (2013-2023)

Figure Japan ESD Protection Devices Revenue (Value) and Growth Rate (2013-2023)

Figure Korea ESD Protection Devices Revenue (Value) and Growth Rate (2013-2023)

Figure India ESD Protection Devices Revenue (Value) and Growth Rate (2013-2023)

Figure Southeast Asia ESD Protection Devices Revenue (Value) and Growth Rate (2013-2023)

Figure Brazil ESD Protection Devices Revenue (Value) and Growth Rate (2013-2023)

Figure Egypt ESD Protection Devices Revenue (Value) and Growth Rate (2013-2023)

Figure Saudi Arabia ESD Protection Devices Revenue (Value) and Growth Rate (2013-2023)

Figure South Africa ESD Protection Devices Revenue (Value) and Growth Rate (2013-2023)

Figure Nigeria ESD Protection Devices Revenue (Value) and Growth Rate (2013-2023)

Table Murata Manufacturing Headquarter, Established, Main Business and Finance Overview (2017)

Table Murata Manufacturing ESD Protection Devices Production Bases, Sales Regions and Major Competitors

Table Murata Manufacturing ESD Protection Devices Product

Table Murata Manufacturing ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Murata Manufacturing ESD Protection Devices Sales Market Share in 2017

Figure Global Murata Manufacturing ESD Protection Devices Revenue Market Share in 2017

Table Nexperia Headquarter, Established, Main Business and Finance Overview (2017)

Table Nexperia ESD Protection Devices Production Bases, Sales Regions and Major Competitors

Table Nexperia ESD Protection Devices Product

Table Nexperia ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Nexperia ESD Protection Devices Sales Market Share in 2017

Figure Global Nexperia ESD Protection Devices Revenue Market Share in 2017

Table STMicroelectronics Headquarter, Established, Main Business and Finance Overview (2017)

Table STMicroelectronics ESD Protection Devices Production Bases, Sales Regions and Major Competitors

Table STMicroelectronics ESD Protection Devices Product

Table STMicroelectronics ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global STMicroelectronics ESD Protection Devices Sales Market Share in 2017

Figure Global STMicroelectronics ESD Protection Devices Revenue Market Share in 2017

Table Texas Instruments Headquarter, Established, Main Business and Finance Overview (2017)

Table Texas Instruments ESD Protection Devices Production Bases, Sales Regions

and Major Competitors

Table Texas Instruments ESD Protection Devices Product

Table Texas Instruments ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Texas Instruments ESD Protection Devices Sales Market Share in 2017

Figure Global Texas Instruments ESD Protection Devices Revenue Market Share in 2017

Table Bourns Headquarter, Established, Main Business and Finance Overview (2017)

Table Bourns ESD Protection Devices Production Bases, Sales Regions and Major Competitors

Table Bourns ESD Protection Devices Product

Table Bourns ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Bourns ESD Protection Devices Sales Market Share in 2017

Figure Global Bourns ESD Protection Devices Revenue Market Share in 2017

Table Diodes Headquarter, Established, Main Business and Finance Overview (2017)

Table Diodes ESD Protection Devices Production Bases, Sales Regions and Major Competitors

Table Diodes ESD Protection Devices Product

Table Diodes ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Diodes ESD Protection Devices Sales Market Share in 2017

Figure Global Diodes ESD Protection Devices Revenue Market Share in 2017

Table Infineon Technologies Headquarter, Established, Main Business and Finance Overview (2017)

Table Infineon Technologies ESD Protection Devices Production Bases, Sales Regions and Major Competitors

Table Infineon Technologies ESD Protection Devices Product

Table Infineon Technologies ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Infineon Technologies ESD Protection Devices Sales Market Share in 2017

Figure Global Infineon Technologies ESD Protection Devices Revenue Market Share in 2017

Table Kemet Headquarter, Established, Main Business and Finance Overview (2017)

Table Kemet ESD Protection Devices Production Bases, Sales Regions and Major Competitors

Table Kemet ESD Protection Devices Product

Table Kemet ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market

Share (2016-2017)

Figure Global Kemet ESD Protection Devices Sales Market Share in 2017

Figure Global Kemet ESD Protection Devices Revenue Market Share in 2017

Table Littelfuse Headquarter, Established, Main Business and Finance Overview (2017)

Table Littelfuse ESD Protection Devices Production Bases, Sales Regions and Major Competitors

Table Littelfuse ESD Protection Devices Product

Table Littelfuse ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Littelfuse ESD Protection Devices Sales Market Share in 2017

Figure Global Littelfuse ESD Protection Devices Revenue Market Share in 2017

Table Panasonic Headquarter, Established, Main Business and Finance Overview (2017)

Table Panasonic ESD Protection Devices Production Bases, Sales Regions and Major Competitors

Table Panasonic ESD Protection Devices Product

Table Panasonic ESD Protection Devices Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

Figure Global Panasonic ESD Protection Devices Sales Market Share in 2017

Figure Global Panasonic ESD Protection Devices Revenue Market Share in 2017

Table ProTek Devices

Table ProTek Devices ESD Protection Devices

Table TDK

Table TDK ESD Protection Devices

Table Vishay

Table Vishay ESD Protection Devices

Table YAGEO

Table YAGEO ESD Protection Devices

Table Global ESD Protection Devices Sales by Manufacturer (2016-2017)

Figure Global ESD Protection Devices Sales Market Share by Manufacturer in 2016

Figure Global ESD Protection Devices Sales Market Share by Manufacturer in 2017

Table Global ESD Protection Devices Revenue by Manufacturer (2016-2017)

Figure Global ESD Protection Devices Revenue Market Share by Manufacturer in 2016

Figure Global ESD Protection Devices Revenue Market Share by Manufacturer in 2017

Table Global ESD Protection Devices Price by Manufacturer (2016-2017)

Figure Top 3 ESD Protection Devices Manufacturer (Revenue) Market Share in 2017

Figure Top 6 ESD Protection Devices Manufacturer (Revenue) Market Share in 2017

Figure Global ESD Protection Devices Sales and Growth Rate (2013-2018)

Figure Global ESD Protection Devices Revenue and Growth Rate (2013-2018)

Table Global ESD Protection Devices Sales by Regions (2013-2018)
Table Global ESD Protection Devices Sales Market Share by Regions (2013-2018)
Table Global ESD Protection Devices Revenue by Regions (2013-2018)
Figure Global ESD Protection Devices Revenue Market Share by Regions in 2013
Figure Global ESD Protection Devices Revenue Market Share by Regions in 2017
Figure North America ESD Protection Devices Sales and Growth Rate (2013-2018)
Figure North America ESD Protection Devices Revenue and Growth Rate (2013-2018)
Figure Europe ESD Protection Devices Sales and Growth Rate (2013-2018)
Figure Europe ESD Protection Devices Revenue and Growth Rate (2013-2018)
Figure Asia-Pacific ESD Protection Devices Sales and Growth Rate (2013-2018)
Figure Asia-Pacific ESD Protection Devices Revenue and Growth Rate (2013-2018)
Figure South America ESD Protection Devices Sales and Growth Rate (2013-2018)
Figure South America ESD Protection Devices Revenue and Growth Rate (2013-2018)
Figure Middle East and Africa ESD Protection Devices Sales and Growth Rate (2013-2018)
Figure Middle East and Africa ESD Protection Devices Revenue and Growth Rate (2013-2018)
Figure North America ESD Protection Devices Revenue and Growth Rate (2013-2018)
Table North America ESD Protection Devices Sales by Countries (2013-2018)
Table North America ESD Protection Devices Sales Market Share by Countries (2013-2018)
Figure North America ESD Protection Devices Sales Market Share by Countries in 2013
Figure North America ESD Protection Devices Sales Market Share by Countries in 2017
Table North America ESD Protection Devices Revenue by Countries (2013-2018)
Table North America ESD Protection Devices Revenue Market Share by Countries (2013-2018)
Figure North America ESD Protection Devices Revenue Market Share by Countries in 2013
Figure North America ESD Protection Devices Revenue Market Share by Countries in 2017
Figure United States ESD Protection Devices Sales and Growth Rate (2013-2018)
Figure Canada ESD Protection Devices Sales and Growth Rate (2013-2018)
Figure Mexico ESD Protection Devices Sales and Growth Rate (2013-2018)
Table North America ESD Protection Devices Sales by Manufacturer (2016-2017)
Figure North America ESD Protection Devices Sales Market Share by Manufacturer in 2016
Figure North America ESD Protection Devices Sales Market Share by Manufacturer in 2017
Table North America ESD Protection Devices Revenue by Manufacturer (2016-2017)

Figure North America ESD Protection Devices Revenue Market Share by Manufacturer in 2016

Figure North America ESD Protection Devices Revenue Market Share by Manufacturer in 2017

Table North America ESD Protection Devices Sales by Type (2013-2018)

Table North America ESD Protection Devices Sales Share by Type (2013-2018)

Table North America ESD Protection Devices Revenue by Type (2013-2018)

Table North America ESD Protection Devices Revenue Share by Type (2013-2018)

Table North America ESD Protection Devices Sales by Application (2013-2018)

Table North America ESD Protection Devices Sales Share by Application (2013-2018)

Table North America ESD Protection Devices Revenue by Application (2013-2018)

Table North America ESD Protection Devices Revenue Share by Application (2013-2018)

Figure Europe ESD Protection Devices Revenue and Growth Rate (2013-2018)

Table Europe ESD Protection Devices Sales by Countries (2013-2018)

Table Europe ESD Protection Devices Sales Market Share by Countries (2013-2018)

Table Europe ESD Protection Devices Revenue by Countries (2013-2018)

Figure Europe ESD Protection Devices Revenue Market Share by Countries in 2016

Figure Europe ESD Protection Devices Revenue Market Share by Countries in 2017

Figure Germany ESD Protection Devices Sales and Growth Rate (2013-2018)

Figure UK ESD Protection Devices Sales and Growth Rate (2013-2018)

Figure France ESD Protection Devices Sales and Growth Rate (2013-2018)

Figure Russia ESD Protection Devices Sales and Growth Rate (2013-2018)

Figure Italy ESD Protection Devices Sales and Growth Rate (2013-2018)

Table Europe ESD Protection Devices Sales by Manufacturer (2016-2017)

Figure Europe ESD Protection Devices Sales Market Share by Manufacturer in 2016

Figure Europe ESD Protection Devices Sales Market Share by Manufacturer in 2017

Table Europe ESD Protection Devices Revenue by Manufacturer (2016-2017)

Figure Europe ESD Protection Devices Revenue Market Share by Manufacturer in 2016

Figure Europe ESD Protection Devices Revenue Market Share by Manufacturer in 2017

Table Europe ESD Protection Devices Sales by Type (2013-2018)

Table Europe ESD Protection Devices Sales Share by Type (2013-2018)

Table Europe ESD Protection Devices Revenue by Type (2013-2018)

Table Europe ESD Protection Devices Revenue Share by Type (2013-2018)

Table Europe ESD Protection Devices Sales by Application (2013-2018)

Table Europe ESD Protection Devices Sales Share by Application (2013-2018)

Table Europe ESD Protection Devices Revenue by Application (2013-2018)

Table Europe ESD Protection Devices Revenue Share by Application (2013-2018)

Figure Asia-Pacific ESD Protection Devices Revenue and Growth Rate (2013-2018)

Table Asia-Pacific ESD Protection Devices Sales by Countries (2013-2018)
Table Asia-Pacific ESD Protection Devices Sales Market Share by Countries (2013-2018)
Figure Asia-Pacific ESD Protection Devices Sales Market Share by Countries 2017
Table Asia-Pacific ESD Protection Devices Revenue by Countries (2013-2018)
Figure Asia-Pacific ESD Protection Devices Revenue Market Share by Countries 2017
Figure China ESD Protection Devices Sales and Growth Rate (2013-2018)
Figure Japan ESD Protection Devices Sales and Growth Rate (2013-2018)
Figure Korea ESD Protection Devices Sales and Growth Rate (2013-2018)
Figure India ESD Protection Devices Sales and Growth Rate (2013-2018)
Figure Southeast Asia ESD Protection Devices Sales and Growth Rate (2013-2018)
Table Asia-Pacific ESD Protection Devices Sales by Manufacturer (2016-2017)
Figure Asia-Pacific ESD Protection Devices Sales Market Share by Manufacturer in 2016
Figure Asia-Pacific ESD Protection Devices Sales Market Share by Manufacturer in 2017
Table Asia-Pacific ESD Protection Devices Revenue by Manufacturer (2016-2017)
Figure Asia-Pacific ESD Protection Devices Revenue Market Share by Manufacturer in 2016
Figure Asia-Pacific ESD Protection Devices Revenue Market Share by Manufacturer in 2017
Table Asia-Pacific ESD Protection Devices Sales by Type (2013-2018)
Table Asia-Pacific ESD Protection Devices Sales Share by Type (2013-2018)
Table Asia-Pacific ESD Protection Devices Revenue by Type (2013-2018)
Table Asia-Pacific ESD Protection Devices Revenue Share by Type (2013-2018)
Table Asia-Pacific ESD Protection Devices Sales by Application (2013-2018)
Table Asia-Pacific ESD Protection Devices Sales Share by Application (2013-2018)
Table Asia-Pacific ESD Protection Devices Revenue by Application (2013-2018)
Table Asia-Pacific ESD Protection Devices Revenue Share by Application (2013-2018)
Figure South America ESD Protection Devices Revenue and Growth Rate (2013-2018)
Table South America ESD Protection Devices Sales by Countries (2013-2018)
Table South America ESD Protection Devices Sales Market Share by Countries (2013-2018)
Figure South America ESD Protection Devices Sales Market Share by Countries in 2017
Table South America ESD Protection Devices Revenue by Countries (2013-2018)
Table South America ESD Protection Devices Revenue Market Share by Countries (2013-2018)
Figure South America ESD Protection Devices Revenue Market Share by Countries in

2017

Figure Brazil ESD Protection Devices Sales and Growth Rate (2013-2018)

Figure Argentina ESD Protection Devices Sales and Growth Rate (2013-2018)

Figure Colombia ESD Protection Devices Sales and Growth Rate (2013-2018)

Table South America ESD Protection Devices Sales by Manufacturer (2016-2017)

Figure South America ESD Protection Devices Sales Market Share by Manufacturer in 2016

Figure South America ESD Protection Devices Sales Market Share by Manufacturer in 2017

Table South America ESD Protection Devices Revenue by Manufacturer (2016-2017)

Figure South America ESD Protection Devices Revenue Market Share by Manufacturer in 2016

Figure South America ESD Protection Devices Revenue Market Share by Manufacturer in 2017

Table South America ESD Protection Devices Sales by Type (2013-2018)

Table South America ESD Protection Devices Sales Share by Type (2013-2018)

Table South America ESD Protection Devices Revenue by Type (2013-2018)

Table South America ESD Protection Devices Revenue Share by Type (2013-2018)

Table South America ESD Protection Devices Sales by Application (2013-2018)

Table South America ESD Protection Devices Sales Share by Application (2013-2018)

Table South America ESD Protection Devices Revenue by Application (2013-2018)

Table South America ESD Protection Devices Revenue Share by Application (2013-2018)

Figure Middle East and Africa ESD Protection Devices Revenue and Growth Rate (2013-2018)

Table Middle East and Africa ESD Protection Devices Sales by Countries (2013-2018)

Table Middle East and Africa ESD Protection Devices Sales Market Share by Countries (2013-2018)

Figure Middle East and Africa ESD Protection Devices Sales Market Share by Countries in 2017

Table Middle East and Africa ESD Protection Devices Revenue by Countries (2013-2018)

Table Middle East and Africa ESD Protection Devices Revenue Market Share by Countries (2013-2018)

Figure Middle East and Africa ESD Protection Devices Revenue Market Share by Countries in 2013

Figure Middle East and Africa ESD Protection Devices Revenue Market Share by Countries in 2017

Figure Saudi Arabia ESD Protection Devices Sales and Growth Rate (2013-2018)

Figure UAE ESD Protection Devices Sales and Growth Rate (2013-2018)
Figure Egypt ESD Protection Devices Sales and Growth Rate (2013-2018)
Figure Nigeria ESD Protection Devices Sales and Growth Rate (2013-2018)
Figure South Africa ESD Protection Devices Sales and Growth Rate (2013-2018)
Table Middle East and Africa ESD Protection Devices Sales by Manufacturer (2016-2017)
Figure Middle East and Africa ESD Protection Devices Sales Market Share by Manufacturer in 2016
Figure Middle East and Africa ESD Protection Devices Sales Market Share by Manufacturer in 2017
Table Middle East and Africa ESD Protection Devices Revenue by Manufacturer (2016-2017)
Figure Middle East and Africa ESD Protection Devices Revenue Market Share by Manufacturer in 2016
Figure Middle East and Africa ESD Protection Devices Revenue Market Share by Manufacturer in 2017
Table Middle East and Africa ESD Protection Devices Sales by Type (2013-2018)
Table Middle East and Africa ESD Protection Devices Sales Share by Type (2013-2018)
Table Middle East and Africa ESD Protection Devices Revenue by Type (2013-2018)
Table Middle East and Africa ESD Protection Devices Revenue Share by Type (2013-2018)
Table Middle East and Africa ESD Protection Devices Sales by Application (2013-2018)
Table Middle East and Africa ESD Protection Devices Sales Share by Application (2013-2018)
Table Middle East and Africa ESD Protection Devices Revenue by Application (2013-2018)
Table Middle East and Africa ESD Protection Devices Revenue Share by Application (2013-2018)
Table Global ESD Protection Devices Sales by Type (2013-2018)
Table Global ESD Protection Devices Sales Share by Type (2013-2018)
Table Global ESD Protection Devices Revenue by Type (2013-2018)
Table Global ESD Protection Devices Revenue Share by Type (2013-2018)
Figure Global Ceramic Sales Growth (2013-2018)
Figure Global Ceramic Price (2013-2018)
Figure Global Silicon Sales Growth (2013-2018)
Figure Global Silicon Price (2013-2018)
Figure Global Others Sales Growth (2013-2018)
Figure Global Others Price (2013-2018)

Table Global ESD Protection Devices Sales by Application (2013-2018)
Table Global ESD Protection Devices Sales Share by Application (2013-2018)
Figure Global Consumer Electronics Sales Growth (2013-2018)
Figure Global Telecommunication Sales Growth (2013-2018)
Figure Global Power Infrastructure Sales Growth (2013-2018)
Figure Global Automotive Electronics Sales Growth (2013-2018)
Figure Global Others Sales Growth (2013-2018)
Figure Global ESD Protection Devices Sales, Revenue and Growth Rate (2018-2023)
Table Global ESD Protection Devices Sales Forecast by Regions (2018-2023)
Table Global ESD Protection Devices Market Share Forecast by Regions (2018-2023)
Figure North America Sales ESD Protection Devices Market Forecast (2018-2023)
Figure Europe Sales ESD Protection Devices Market Forecast (2018-2023)
Figure Asia-Pacific Sales ESD Protection Devices Market Forecast (2018-2023)
Figure South America Sales ESD Protection Devices Market Forecast (2018-2023)
Figure Middle East and Africa Sales ESD Protection Devices Market Forecast (2018-2023)
Table Global ESD Protection Devices Sales Forecast by Type (2018-2023)
Table Global ESD Protection Devices Market Share Forecast by Type (2018-2023)
Table Global ESD Protection Devices Sales Forecast by Application (2018-2023)
Table Global ESD Protection Devices Market Share Forecast by Application (2018-2023)
Table Distributors/Traders/ Dealers List

I would like to order

Product name: Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) ESD Protection Devices Market 2018, Forecast to 2023

Product link: <https://marketpublishers.com/r/GD2FF2A8239EN.html>

Price: US\$ 4,392.00 (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/GD2FF2A8239EN.html>