

Europe Digital Isolators Market Research Report Forecast 2017 to 2022

https://marketpublishers.com/r/E99601BAE1AEN.html

Date: April 2017

Pages: 135

Price: US\$ 3,040.00 (Single User License)

ID: E99601BAE1AEN

Abstracts

Delivery of the Report will take 2-3 working days once order is placed.

The Europe Digital Isolators Market Research Report Forecast 2017-2022 is a valuable source of insightful data for business strategists. It provides the Digital Isolators industry overview with growth analysis and historical & futuristic cost, revenue, demand and supply data (as applicable). The research analysts provide an elaborate description of the value chain and its distributor analysis. This Digital Isolators market study provides comprehensive data which enhances the understanding, scope and application of this report.

This report provides comprehensive analysis of

Key market segments and sub-segments

Evolving market trends and dynamics

Changing supply and demand scenarios

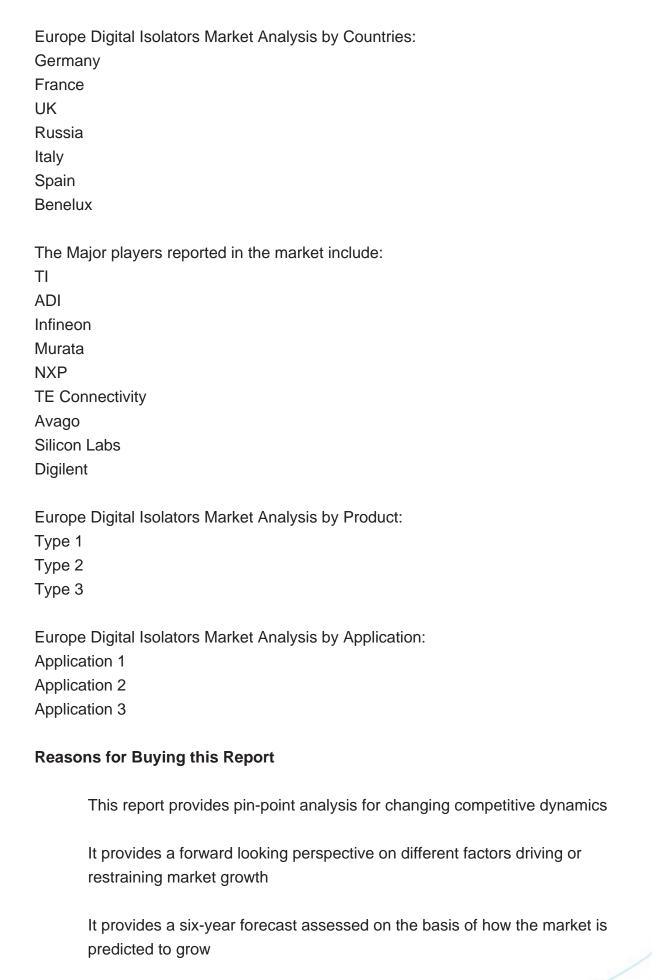
Quantifying market opportunities through market sizing and market forecasting

Tracking current trends/opportunities/challenges

Competitive insights

Opportunity mapping in terms of technological breakthroughs







It helps in understanding the key product segments and their future

It provides pin point analysis of changing competition dynamics and keeps you ahead of competitors

It helps in making informed business decisions by having complete insights of market and by making in-depth analysis of market segments



Contents

1 DIGITAL ISOLATORS MARKET OVERVIEW

- 1.1 Product Overview and Scope of Digital Isolators
- 1.2 Classification of Digital Isolators
 - 1.2.1 Type
 - 1.2.2 Type
 - 1.2.3 Type
- 1.3 Application of Digital Isolators
 - 1.3.2 Application
 - 1.3.3 Application
 - 1.3.4 Application
- 1.4 Digital Isolators Market States Status and Prospect (2012-2022) by Countries
 - 1.4.1 Germany
 - 1.4.2 France
 - 1.4.3 UK
 - 1.4.4 Russia
 - 1.4.5 Italy
- 1.4.6 Spain
- 1.4.7 Benelux
- 1.5 Europe Market Size (Value and Volume) of Digital Isolators (2012-2022)
 - 1.5.1 Europe Digital Isolators Sales and Growth Rate (2012-2022)
 - 1.5.2 Europe Digital Isolators Revenue and Growth Rate (2012-2022)

2 EUROPE ECONOMIC IMPACT ON DIGITAL ISOLATORS INDUSTRY

- 2.1 Europe Macroeconomic Analysis
- 2.2 Europe Macroeconomic Environment Development Trend

3 DIGITAL ISOLATORS MANUFACTURING COST ANALYSIS

- 3.1 Digital Isolators Key Raw Materials Analysis
 - 3.1.1 Key Raw Materials
 - 3.1.2 Price Trend of Key Raw Materials
 - 3.1.3 Key Suppliers of Raw Materials
 - 3.1.4 Market Concentration Rate of Raw Materials
- 3.2 Proportion of Manufacturing Cost Structure
 - 3.2.1 Raw Materials



- 3.2.2 Labor Cost
- 3.2.3 Manufacturing Process Analysis of Digital Isolators

4 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS

- 4.1 Digital Isolators Industrial Chain Analysis
- 4.2 Upstream Raw Materials Sourcing
- 4.3 Raw Materials Sources of Digital Isolators Major Manufacturers in 2016
- 4.4 Downstream Buyers

5 EUROPE DIGITAL ISOLATORS MARKET ANALYSIS BY MANUFACTURERS, TYPE AND APPLICATION

- 5.1 Europe Digital Isolators Market Competition by Manufacturers
- 5.1.1 Europe Digital Isolators Sales and Market Share of Key Manufacturers (2015 and 2016)
- 5.1.2 Europe Digital Isolators Revenue and Share by Manufacturers (2015 and 2016)
- 5.2 Europe Digital Isolators (Volume and Value) by Type
 - 5.2.1 Europe Digital Isolators Sales and Market Share by Type (2012-2017)
 - 5.2.2 Europe Digital Isolators Revenue and Market Share by Type (2012-2017)
- 5.3 Europe Digital Isolators (Volume and Value) by Countries
 - 5.3.1 Europe Digital Isolators Sales and Market Share by Countries (2012-2017)
- 5.3.2 Europe Digital Isolators Revenue and Market Share by Countries (2012-2017)
- 5.4 Europe Digital Isolators (Volume) by Application

6 GERMANY DIGITAL ISOLATORS (VOLUME, VALUE AND SALES PRICE)

- 6.1 Germany Digital Isolators Sales and Value (2012-2017)
 - 6.1.1 Germany Digital Isolators Sales and Growth Rate (2012-2017)
 - 6.1.2 Germany Digital Isolators Revenue and Growth Rate (2012-2017)
 - 6.1.3 Germany Digital Isolators Sales Price Trend (2012-2017)
- 6.2 Germany Digital Isolators Sales and Market Share by Manufacturers
- 6.3 Germany Digital Isolators Sales and Market Share by Type
- 6.4 Germany Digital Isolators Sales and Market Share by Application

7 FRANCE DIGITAL ISOLATORS (VOLUME, VALUE AND SALES PRICE)

- 7.1 France Digital Isolators Sales and Value (2012-2017)
- 7.1.1 France Digital Isolators Sales and Growth Rate (2012-2017)



- 7.1.2 France Digital Isolators Revenue and Growth Rate (2012-2017)
- 7.1.3 France Digital Isolators Sales Price Trend (2012-2017)
- 7.2 France Digital Isolators Sales and Market Share by Manufacturers
- 7.3 France Digital Isolators Sales and Market Share by Type
- 7.4 France Digital Isolators Sales and Market Share by Application

8 UK DIGITAL ISOLATORS (VOLUME, VALUE AND SALES PRICE)

- 8.1 UK Digital Isolators Sales and Value (2012-2017)
- 8.1.1 UK Digital Isolators Sales and Growth Rate (2012-2017)
- 8.1.2 UK Digital Isolators Revenue and Growth Rate (2012-2017)
- 8.1.3 UK Digital Isolators Sales Price Trend (2012-2017)
- 8.2 UK Digital Isolators Sales and Market Share by Manufacturers
- 8.3 UK Digital Isolators Sales and Market Share by Type
- 8.4 UK Digital Isolators Sales and Market Share by Application

9 RUSSIA DIGITAL ISOLATORS (VOLUME, VALUE AND SALES PRICE)

- 9.1 Russia Digital Isolators Sales and Value (2012-2017)
 - 9.1.1 Russia Digital Isolators Sales and Growth Rate (2012-2017)
 - 9.1.2 Russia Digital Isolators Revenue and Growth Rate (2012-2017)
 - 9.1.3 Russia Digital Isolators Sales Price Trend (2012-2017)
- 9.2 Russia Digital Isolators Sales and Market Share by Manufacturers
- 9.3 Russia Digital Isolators Sales and Market Share by Type
- 9.4 Russia Digital Isolators Sales and Market Share by Application

10 ITALY DIGITAL ISOLATORS (VOLUME, VALUE AND SALES PRICE)

- 10.1 Italy Digital Isolators Sales and Value (2012-2017)
 - 10.1.1 Italy Digital Isolators Sales and Growth Rate (2012-2017)
 - 10.1.2 Italy Digital Isolators Revenue and Growth Rate (2012-2017)
- 10.1.3 Italy Digital Isolators Sales Price Trend (2012-2017)
- 10.2 Italy Digital Isolators Sales and Market Share by Manufacturers
- 10.3 Italy Digital Isolators Sales and Market Share by Type
- 10.4 Italy Digital Isolators Sales and Market Share by Application

11 SPAIN DIGITAL ISOLATORS (VOLUME, VALUE AND SALES PRICE)

11.1 Spain Digital Isolators Sales and Value (2012-2017)



- 11.1.1 Spain Digital Isolators Sales and Growth Rate (2012-2017)
- 11.1.2 Spain Digital Isolators Revenue and Growth Rate (2012-2017)
- 11.1.3 Spain Digital Isolators Sales Price Trend (2012-2017)
- 11.2 Spain Digital Isolators Sales and Market Share by Manufacturers
- 11.3 Spain Digital Isolators Sales and Market Share by Type
- 11.4 Spain Digital Isolators Sales and Market Share by Application

12 BENELUX DIGITAL ISOLATORS (VOLUME, VALUE AND SALES PRICE)

- 12.1 Benelux Digital Isolators Sales and Value (2012-2017)
- 12.1.1 Benelux Digital Isolators Sales and Growth Rate (2012-2017)
- 12.1.2 Benelux Digital Isolators Revenue and Growth Rate (2012-2017)
- 12.1.3 Benelux Digital Isolators Sales Price Trend (2012-2017)
- 12.2 Benelux Digital Isolators Sales and Market Share by Manufacturers
- 12.3 Benelux Digital Isolators Sales and Market Share by Type
- 12.4 Benelux Digital Isolators Sales and Market Share by Application

13 EUROPE DIGITAL ISOLATORS MANUFACTURERS ANALYSIS

- 13.1 TI
 - 13.1.1 Company Basic Information, Manufacturing Base and Competitors
 - 13.1.2 Product Type, Application and Specification
 - 13.1.3 Production, Revenue, Price and Gross Margin (2012-2017)
 - 13.1.4 Business Overview
- 13.2 ADI
 - 13.2.1 Company Basic Information, Manufacturing Base and Competitors
 - 13.2.2 Product Type, Application and Specification
 - 13.2.3 Production, Revenue, Price and Gross Margin (2012-2017)
 - 13.2.4 Business Overview
- 13.3 Infineon
 - 13.3.1 Company Basic Information, Manufacturing Base and Competitors
 - 13.3.2 Product Type, Application and Specification
 - 13.3.3 Production, Revenue, Price and Gross Margin (2012-2017)
 - 13.3.4 Business Overview
- 13.4 Murata
- 13.4.1 Company Basic Information, Manufacturing Base and Competitors
- 13.4.2 Product Type, Application and Specification
- 13.4.3 Production, Revenue, Price and Gross Margin (2012-2017)
- 13.4.4 Business Overview



13.5 NXP

- 13.5.1 Company Basic Information, Manufacturing Base and Competitors
- 13.5.2 Product Type, Application and Specification
- 13.5.3 Production, Revenue, Price and Gross Margin (2012-2017)
- 13.5.4 Business Overview
- 13.6 TE Connectivity
 - 13.6.1 Company Basic Information, Manufacturing Base and Competitors
 - 13.6.2 Product Type, Application and Specification
 - 13.6.3 Production, Revenue, Price and Gross Margin (2012-2017)
 - 13.6.4 Business Overview
- 13.7 Avago
 - 13.7.1 Company Basic Information, Manufacturing Base and Competitors
 - 13.7.2 Product Type, Application and Specification
 - 13.7.3 Production, Revenue, Price and Gross Margin (2012-2017)
 - 13.7.4 Business Overview
- 13.8 Silicon Labs
 - 13.8.1 Company Basic Information, Manufacturing Base and Competitors
 - 13.8.2 Product Type, Application and Specification
 - 13.8.3 Production, Revenue, Price and Gross Margin (2012-2017)
 - 13.8.4 Business Overview
- 13.9 Digilent
 - 13.9.1 Company Basic Information, Manufacturing Base and Competitors
 - 13.9.2 Product Type, Application and Specification
 - 13.9.3 Production, Revenue, Price and Gross Margin (2012-2017)
 - 13.9.4 Business Overview

13 MARKETING STRATEGY ANALYSIS, DISTRIBUTORS/TRADERS

- 13.1 Marketing Channel
 - 13.1.1 Direct Marketing
 - 13.1.2 Indirect Marketing
- 13.1.3 Marketing Channel Development Trend
- 13.2 Market Positioning
 - 13.2.1 Pricing Strategy
 - 13.2.2 Brand Strategy
 - 13.2.3 Target Client
- 13.3 Distributors/Traders List

14 MARKET EFFECT FACTORS ANALYSIS



- 14.1 Technology Progress/Risk
 - 14.1.1 Substitutes Threat
 - 14.1.2 Technology Progress in Related Industry
- 14.2 Consumer Needs/Customer Preference Change
- 14.3 Economic/Political Environmental Change

15 EUROPE DIGITAL ISOLATORS MARKET FORECAST (2017-2022)

- 15.1 Germany Market Forecast (2017-2022)
- 15.2 France Market Forecast (2017-2022)
- 15.3 UK Market Forecast (2017-2022)
- 15.4 Russia Market Forecast (2017-2022)
- 15.5 Italy Market Forecast (2017-2022)
- 15.6 Spain Market Forecast (2017-2022)
- 15.7 Benelux Market Forecast (2017-2022)
- 15.8 Europe Digital Isolators Market Forecast by Type (2017-2022)
- 15.9 Europe Digital Isolators Market Forecast by Application (2017-2022)

16 APPENDIX



List Of Tables

LIST OF TABLES AND FIGURES

Figure Picture of Digital Isolators

Table Classification of Digital Isolators

Figure Europe Sales Market Share of Digital Isolators by Type in 2016

Table Application of Digital Isolators

Figure Europe Sales Market Share of Digital Isolators by Application in 2016

Figure Germany Digital Isolators Revenue and Growth Rate (2012-2022)

Figure France Digital Isolators Revenue and Growth Rate (2012-2022)

Figure UK Digital Isolators Revenue and Growth Rate (2012-2022)

Figure Russia Digital Isolators Revenue and Growth Rate (2012-2022)

Figure Italy Digital Isolators Revenue and Growth Rate (2012-2022)

Figure Spain Digital Isolators Revenue and Growth Rate (2012-2022)

Figure Benelux Digital Isolators Revenue and Growth Rate (2012-2022)

Figure Europe Digital Isolators Sales and Growth Rate (2012-2022)

Figure Europe Digital Isolators Revenue and Growth Rate (2012-2022)

Table Europe Digital Isolators Sales of Key Manufacturers (2015 and 2016)

Table Europe Digital Isolators Sales Share by Manufacturers (2015 and 2016)

Figure 2015 Digital Isolators Sales Share by Manufacturers

Figure 2016 Digital Isolators Sales Share by Manufacturers

Table Europe Digital Isolators Revenue by Manufacturers (2015 and 2016)

Table Europe Digital Isolators Revenue Share by Manufacturers (2015 and 2016)

Table 2015 Europe Digital Isolators Revenue Share by Manufacturers

Table 2016 Europe Digital Isolators Revenue Share by Manufacturers

Table Europe Digital Isolators Sales and Market Share by Type (2012-2017)

Table Europe Digital Isolators Sales Share by Type (2012-2017)

Figure Sales Market Share of Digital Isolators by Type (2012-2017)

Figure Europe Digital Isolators Sales Growth Rate by Type (2012-2017)

Table Europe Digital Isolators Revenue and Market Share by Type (2012-2017)

Table Europe Digital Isolators Revenue Share by Type (2012-2017)

Figure Revenue Market Share of Digital Isolators by Type (2012-2017)

Figure Europe Digital Isolators Revenue Growth Rate by Type (2012-2017)

Table Europe Digital Isolators Sales and Market Share by Countries (2012-2017)

Table Europe Digital Isolators Sales Share by Countries (2012-2017)

Figure Sales Market Share of Digital Isolators by Countries (2012-2017)

Table Europe Digital Isolators Revenue and Market Share by Countries (2012-2017)

Table Europe Digital Isolators Revenue Share by Countries (2012-2017)



Figure Revenue Market Share of Digital Isolators by Countries (2012-2017)

Table Europe Digital Isolators Sales and Market Share by Application (2012-2017)

Table Europe Digital Isolators Sales Share by Application (2012-2017)

Figure Sales Market Share of Digital Isolators by Application (2012-2017)

Figure Germany Digital Isolators Sales and Growth Rate (2012-2017)

Figure Germany Digital Isolators Revenue and Growth Rate (2012-2017)

Figure Germany Digital Isolators Sales Price Trend (2012-2017)

Table Germany Digital Isolators Sales by Manufacturers (2015 and 2016)

Table Germany Digital Isolators Market Share by Manufacturers (2015 and 2016)

Table Germany Digital Isolators Sales by Type (2015 and 2016)

Table Germany Digital Isolators Market Share by Type (2015 and 2016)

Table Germany Digital Isolators Sales by Application (2015 and 2016)

Table Germany Digital Isolators Market Share by Application (2015 and 2016)

Figure France Digital Isolators Sales and Growth Rate (2012-2017)

Figure France Digital Isolators Revenue and Growth Rate (2012-2017)

Figure France Digital Isolators Sales Price Trend (2012-2017)

Table France Digital Isolators Sales by Manufacturers (2015 and 2016)

Table France Digital Isolators Market Share by Manufacturers (2015 and 2016)

Table France Digital Isolators Sales by Type (2015 and 2016)

Table France Digital Isolators Market Share by Type (2015 and 2016)

Table France Digital Isolators Sales by Application (2015 and 2016)

Table France Digital Isolators Market Share by Application (2015 and 2016)

Figure UK Digital Isolators Sales and Growth Rate (2012-2017)

Figure UK Digital Isolators Revenue and Growth Rate (2012-2017)

Figure UK Digital Isolators Sales Price Trend (2012-2017)

Table UK Digital Isolators Sales by Manufacturers (2015 and 2016)

Table UK Digital Isolators Market Share by Manufacturers (2015 and 2016)

Table UK Digital Isolators Sales by Type (2015 and 2016)

Table UK Digital Isolators Market Share by Type (2015 and 2016)

Table UK Digital Isolators Sales by Application (2015 and 2016)

Table UK Digital Isolators Market Share by Application (2015 and 2016)

Figure Russia Digital Isolators Sales and Growth Rate (2012-2017)

Figure Russia Digital Isolators Revenue and Growth Rate (2012-2017)

Figure Russia Digital Isolators Sales Price Trend (2012-2017)

Table Russia Digital Isolators Sales by Manufacturers (2015 and 2016)

Table Russia Digital Isolators Market Share by Manufacturers (2015 and 2016)

Table Russia Digital Isolators Sales by Type (2015 and 2016)

Table Russia Digital Isolators Market Share by Type (2015 and 2016)

Table Russia Digital Isolators Sales by Application (2015 and 2016)



Table Russia Digital Isolators Market Share by Application (2015 and 2016)

Figure Italy Digital Isolators Sales and Growth Rate (2012-2017)

Figure Italy Digital Isolators Revenue and Growth Rate (2012-2017)

Figure Italy Digital Isolators Sales Price Trend (2012-2017)

Table Italy Digital Isolators Sales by Manufacturers (2015 and 2016)

Table Italy Digital Isolators Market Share by Manufacturers (2015 and 2016)

Table Italy Digital Isolators Sales by Type (2015 and 2016)

Table Italy Digital Isolators Market Share by Type (2015 and 2016)

Table Italy Digital Isolators Sales by Application (2015 and 2016)

Table Italy Digital Isolators Market Share by Application (2015 and 2016)

Figure Spain Digital Isolators Sales and Growth Rate (2012-2017)

Figure Spain Digital Isolators Revenue and Growth Rate (2012-2017)

Figure Spain Digital Isolators Sales Price Trend (2012-2017)

Table Spain Digital Isolators Sales by Manufacturers (2015 and 2016)

Table Spain Digital Isolators Market Share by Manufacturers (2015 and 2016)

Table Spain Digital Isolators Sales by Type (2015 and 2016)

Table Spain Digital Isolators Market Share by Type (2015 and 2016)

Table Spain Digital Isolators Sales by Application (2015 and 2016)

Table Spain Digital Isolators Market Share by Application (2015 and 2016)

Figure Benelux Digital Isolators Sales and Growth Rate (2012-2017)

Figure Benelux Digital Isolators Revenue and Growth Rate (2012-2017)

Figure Benelux Digital Isolators Sales Price Trend (2012-2017)

Table Benelux Digital Isolators Sales by Manufacturers (2015 and 2016)

Table Benelux Digital Isolators Market Share by Manufacturers (2015 and 2016)

Table Benelux Digital Isolators Sales by Type (2015 and 2016)

Table Benelux Digital Isolators Market Share by Type (2015 and 2016)

Table Benelux Digital Isolators Sales by Application (2015 and 2016)

Table Benelux Digital Isolators Market Share by Application (2015 and 2016)

Table TI Basic Information List

Table TI Digital Isolators Sales, Revenue, Price and Gross Margin (2012-2017)

Figure TI Digital Isolators Sales Market Share (2012-2017)

Table ADI Basic Information List

Table ADI Digital Isolators Sales, Revenue, Price and Gross Margin (2012-2017)

Table ADI Digital Isolators Sales Market Share (2012-2017)

Table Infineon Basic Information List

Table Infineon Digital Isolators Sales, Revenue, Price and Gross Margin (2012-2017)

Figure Infineon Digital Isolators Sales Market Share (2012-2017)

Table Murata Basic Information List

Table Murata Digital Isolators Sales, Revenue, Price and Gross Margin (2012-2017)



Table Murata Digital Isolators Sales Market Share (2012-2017)

Table NXP Basic Information List

Table NXP Digital Isolators Sales, Revenue, Price and Gross Margin (2012-2017)

Figure NXP Digital Isolators Sales Market Share (2012-2017)

Table TE Connectivity Basic Information List

Table TE Connectivity Digital Isolators Sales, Revenue, Price and Gross Margin (2012-2017)

Table TE Connectivity Digital Isolators Sales Market Share (2012-2017)

Table Avago Basic Information List

Table Avago Digital Isolators Sales, Revenue, Price and Gross Margin (2012-2017)

Figure Avago Digital Isolators Sales Market Share (2012-2017)

Table Silicon Labs Basic Information List

Table Silicon Labs Digital Isolators Sales, Revenue, Price and Gross Margin (2012-2017)

Table Silicon Labs Digital Isolators Sales Market Share (2012-2017)

Table Digilent Basic Information List

Table Digilent Digital Isolators Sales, Revenue, Price and Gross Margin (2012-2017)

Figure Digilent Digital Isolators Sales Market Share (2012-2017).

Table Production Base and Market Concentration Rate of Raw Material

Figure Price Trend of Key Raw Materials

Table Key Suppliers of Raw Materials

Figure Manufacturing Cost Structure of Digital Isolators

Figure Manufacturing Process Analysis of Digital Isolators

Figure Digital Isolators Industrial Chain Analysis

Table Raw Materials Sources of Digital Isolators Major Manufacturers in 2016

Table Major Buyers of Digital Isolators

Table Distributors/Traders List

Figure Germany Digital Isolators Sales and Growth Rate Forecast (2017-2022)

Figure Germany Digital Isolators Revenue and Growth Rate Forecast (2017-2022)

Figure France Digital Isolators Sales and Growth Rate Forecast (2017-2022)

Figure France Digital Isolators Revenue and Growth Rate Forecast (2017-2022)

Figure UK Digital Isolators Sales and Growth Rate Forecast (2017-2022)

Figure UK Digital Isolators Revenue and Growth Rate Forecast (2017-2022)

Figure Russia Digital Isolators Sales and Growth Rate Forecast (2017-2022)

Figure Russia Digital Isolators Revenue and Growth Rate Forecast (2017-2022)

Figure Italy Digital Isolators Sales and Growth Rate Forecast (2017-2022)

Figure Italy Digital Isolators Revenue and Growth Rate Forecast (2017-2022)

Figure Spain Digital Isolators Sales and Growth Rate Forecast (2017-2022)

Figure Spain Digital Isolators Revenue and Growth Rate Forecast (2017-2022)



Figure Benelux Digital Isolators Sales and Growth Rate Forecast (2017-2022)
Figure Benelux Digital Isolators Revenue and Growth Rate Forecast (2017-2022)
Table Europe Digital Isolators Sales Forecast by Type (2017-2022)
Table Europe Digital Isolators Sales Forecast by Application (2017-2022)

COMPANIES MENTIONED

ΤI

ADI

Infineon

Murata

NXP

TE Connectivity

Avago

Silicon Labs

Digilent

Linear Technology



I would like to order

Product name: Europe Digital Isolators Market Research Report Forecast 2017 to 2022

Product link: https://marketpublishers.com/r/E99601BAE1AEN.html

Price: US\$ 3,040.00 (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/E99601BAE1AEN.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
	Custumer 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