

# **Fixed Resistor Trends: Market Research Report**

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## **Abstracts**

The report analyzes and presents an overview of Fixed Resistors market worldwide. 'Fixed resistors are types of resistors having constant resistance values. These resistors typically contain a conducting material at the end and a resisting material at the center. The resistance value of these resistors is generally mentioned on the resistor body through code numbers and color coding. These types of resistors are widely used for acting as permanent barriers to electric currents in electric circuits. However, fixed resistors are considered to be less efficient in comparison to variable resistors due to the limitation of resistance values available for curbing the inrush current.'

The report provides a review of various types of fixed resistors, and challenges encountered along with the research activities. The report also discusses the strategic industry activities by leading companies including TT Electronics PLC, Panasonic Corporation, TE Connectivity Ltd., and others witnessed by the industry over the last few years. In addition, 57 companies operating in the Fixed Resistors arena worldwide are profiled.



### Contents

#### 1. FIXED RESISTORS – AN OVERVIEW

Resistors - Definition Resistors - Types Resistors - Criteria for Selection Fixed Resistors Fixed Resistors - Types Metal Oxide Carbon Film Metal Film Thick Film Carbon Composition Foil Wire Wound Fixed Resistors - Possible Causes of Long-Term Failure Research Activities Focused on Developing Fixed Resistors for High-Temperature Applications

#### 2. RECENT INDUSTRY ACTIVITY

Panasonic Electronic Devices and Panasonic Electronic Devices Japan Merge into Panasonic TT Electronics Develops Sulfur-Resistant Components for Chip Resistors and Resistor Arrays Tyco Electronics Changes Name to TE Connectivity

#### **3. MARKET PARTICIPANTS**

ABCO Electornics Co. , Ltd. (Korea) Abel Precision Co. , Ltd. (Korea) Akahane Electronics Ind. Corporation (Japan) Arcol UK Ltd. (UK) Asian Best Components Co. , Ltd. (Taiwan) Bourns, Inc. (USA) Chian Chia Electronics (China) Chu Jhi Electronics Co. , Ltd. (Taiwan) Cinetech Ind. Co. , Ltd. (Taiwan)



Dahzan Electronic Co., Ltd. (Taiwan) EBG-Shenzhen Electronics Co., Ltd. (China) Elecsound Electronics Co., Ltd. (China) Enapros (India) First Resistor & Condenser Co., Ltd. (Taiwan) Flight Electronics (China) Fong Ya Electronic (Dong Guan) Co., Ltd. (China) Frizlen GmbH U. Co. KG (Germany) Futaba Electric Co., Ltd. (Taiwan) Greatland Ohm Enterprise Co., Ltd. (Taiwan) Hindustan Electronic Components (India) Hokuriku Electric Industry Co., Ltd. (Japan) Japan Resistor Mfg. Co., Ltd. (Japan) JSC "SPA "ERKON" (Russia) Kamaya Electric Co., Ltd. (Japan) Kaytron Components Pvt., Ltd. (India) KOA Corporation (Japan) KOA Electronics Co., Ltd. (Japan) Laube Technology (USA) Max-Quality Electric Co., Ltd. (Taiwan) Micro-Ohm Corporation (USA) Nanjing Shagon Electronics Co., Ltd. (China) Pak Heng Resistors (Shenzhen) Co., Ltd. (China) Panasonic Corporation (Japan) Pilkor Electronics Co., Ltd. (Republic of Korea) Pro-An Electronic Co., Ltd. (Hong Kong) Queen Mao Electronic Co., Ltd. (Taiwan) RARA Electronics Corporation (South Korea) River Eletec Corporation (Japan) Rockwell Automation, Inc. (USA) Royal Electronic Factory Co., Ltd. (Thailand) Shenzhen Rieohm Electronics Co., Ltd. (China) Shenzhen Shunyitai Electronics Co., Ltd. (China) Shenzhen Zenithsun Electronics Tech Co., Ltd. (China) Sichuan Yongxing Electronics Co., Ltd. (China) Synton-Tech Corporation (Taiwan) Taiwan Resistor Corporation (Taiwan) TE Connectivity Ltd. (USA) Thunder Components Ltd. (Taiwan)



TT Electronics PLC (UK) TT Electronics Welwyn Components Ltd. (UK) Union Electric Works Co. , Ltd. (Hong Kong) Uniroyal Electronics Industry Co. , Ltd. (China) UPE, Inc. (USA) Vishay Intertechnology, Inc. (USA) Yuetone Industrial Co. , Ltd. (Taiwan) Zealway Electronics Co. , Ltd. (Taiwan) Zonkas Electronic Co. , Ltd. (Taiwan)

#### 4. APPENDIX



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