



The DNA of tech.™



COMPANY OVERVIEW

www.vishay.com



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ABOUT VISHAY INTERTECHNOLOGY

For almost six decades we've
been building **The DNA of tech.™**

The Vishay journey began with one man, Dr. Felix Zandman, and a revolutionary technology. From there we would grow and strengthen over decades, arriving where we are today: one of the world's most trusted manufacturers of electronic components. From discrete semiconductors to passive components, from the smallest diode to the most powerful capacitor, Vishay's breadth of products constitutes the very foundation that brings modern technology to life, every day, for everyone.

We call it **The DNA of tech.™**

This DNA is more than infrastructure for today's most vital electronic products, it's a platform to enable growth. Vishay is well-positioned to propel such timely macroeconomic growth drivers as sustainability, connectivity, and mobility. Through R&D, manufacturing, engineering, quality, sales, and marketing, we generate the essential components that enable inventors and innovators to create new generations of products—ones that span many sectors: automotive, industrial, consumer, computer, telecommunications, military, aerospace, and medical.

Together with the manufacturers of today's and tomorrow's most compelling electronic innovations, names you know, we are enabling next-level automation in factories, the electrification of the automobile, 5G network technology, and the rapid expansion of connectivity across everything (IoT) to highlight a few areas of strong growth. This diversity of opportunity is the reason Vishay has thrived, and why we are driven to be the DNA behind the success of our customers and partners and to be part of making a future that's safer, sustainable, and more productive.





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PRODUCT LIST

SEMICONDUCTORS

- MOSFETs
- ICs
- Rectifiers
- Small signal diodes
- Protection diodes
- Thyristors / SCRs
- Power modules
- Optoelectronics

PASSIVE COMPONENTS

- Resistors
- Sensors
- Inductors
- Custom magnetics
- Capacitors

DIVERSE MARKETS

With its broad and competitive product and technology portfolio, Vishay supports customers in virtually every market sector.

Automotive

Vishay manufactures a broad range of passive and active discrete components that can withstand the high temperatures and peak transients of automotive systems, from engine control to infotainment and multiphase converters in advanced driver assistance systems. The company's devices support the innovative applications in today's hybrid and electric vehicles, including traction inverters, DC/DC converters for 48 V power subsystems, battery management with cell balancing, on-board and off-board battery charging, energy recuperation systems, and more.

Industrial

Vishay components support power backup and energy harvesting solutions; drive and control motors; sense temperature; measure current; and more. They are optimized for a wide range of end products, including factory automation, power distribution, and renewable energy systems; oil and gas exploration equipment; trains; HVAC systems; test and measurement equipment; lighting ballasts; smoke detectors; power tools; and robotic systems. Vishay devices are well suited for the Industry 4.0 transition and the Internet of Things (IoT).

Power Supplies

Adapters, converters, battery chargers, and uninterruptible power supplies (UPS) adjust and control electric current from main power grids and for use in a wide variety of devices — from small, portable products to large industrial equipment. In power supplies, Vishay components are used for applications including rectification; power factor correction; galvanic isolation; temperature sensing; energy storage and transformation; EMI suppression; and inrush protection.

Military and Aerospace

Vishay manufactures one of the industry's broadest lines of military-qualified resistors and capacitors, as well as a number of other components that meet the stringent needs of military and aerospace customers. Vishay components are used in aircraft flight, cockpit, and cabin equipment; unmanned aerial systems; drones; navigation and weather satellites; radar and sonar units; radio and satellite communications; guidance systems; deep space exploration; and more.





Consumer

Vishay components can be found in home appliances; home automation systems; and entertainment and lifestyle products, such as televisions, e-book readers, smart speakers and voice-activated devices, games consoles, VR / AR headsets, smart watches, and more.

Computing

In notebooks, tablets, desktops, servers, and routers, Vishay components are used to manage power, filter unwanted electrical signals, and provide ESD protection. In portable computing devices, they convert power and monitor power usage to extend battery life and enable short range, two-way wireless connectivity. They also are found in peripherals including printers, photocopiers, and wireless chargers.

Medical

Vishay devices can be found in a wide range of medical products and systems, including medical imaging systems. The company is a leading manufacturer of telemetry coils for pacemakers and transformers for defibrillators, as well as capacitors for implantable devices and hearing aids.

Telecommunications

Vishay components support a number of functions for handheld telecommunications devices and wearables, such as improving efficiency and increasing battery life in smartphones and providing signal filtering and impedance matching in 4G and 5G systems. The devices are also used for EMI filtering, surge line card protection, and other applications in transmission systems, base stations, and access infrastructure.



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