



# Manufactured Products By Brand

VISHAY INTERTECHNOLOGY, INC.

The DNA of tech.®

Semiconductor Products	Vishay Semiconductors (incl. General Semiconductor)	Vishay Siliconix
<b>Silicon Carbide (SiC)</b>		
MaxSiC™ Silicon Carbide MOSFETs		•
Silicon Carbide (SiC) Schottky Diodes	•	
Silicon Carbide (SiC) Power Modules	•	
<b>MOSFETs</b>		
Low Voltage		•
High Voltage		•
MaxSiC™ Silicon Carbide		•
Automotive		•
Medical		•
<b>ICs - Power and Linear</b>		
Power ICs		•
Smart Load Switches		•
eFuses		•
microBUCK® Voltage Regulator		•
microBRICK® DC/DC Regulator Module		•
VRPower® DrMOS and Smart Power Stages		•
Analog Switches and Multiplexers		•
<b>Die and Wafer (incl. Diodes, Optos)</b>	•	•
<b>Diodes and Rectifiers</b>		
<b>Diodes</b>		
TVS and ESD Protection	•	
Zener	•	
Small Signal Schottky, Small Signal Switching	•	
<b>Rectifiers</b>		
Bridge	•	
Schottky	•	
Ultrafast Recovery	•	
Standard and Fast Recovery	•	
Silicon Carbide (SiC) Schottky	•	
Medium and High Power	•	
<b>Discrete Thyristors</b>		
Phase Control Discrete	•	
<b>Power Modules</b>		
Silicon Carbide (SiC) MOSFET	•	
Silicon Carbide (SiC) Diode and Bridge	•	
IGBT	•	
MOSFET	•	
Thyristor	•	
<b>Optoelectronics</b>		
Optocouplers / Isolators	•	
IR Receivers for Remote Control	•	
Optical Sensors	•	
Infrared Emitters	•	
Photo Detectors	•	
LEDs	•	
Solid-State Relays	•	
Infrared Transceiver Data Modules	•	
LCD / Plasma / Touch / LED Displays	•	
7-Segment Displays	•	

Passive Products	Vishay Ametherm	Vishay BCcomponents	Vishay Beyschlag	Vishay Cera-Mite	Vishay Dale (incl. Thin Film, Huntington, Milwaukee)	Vishay Dale Inductors (incl. HiRel Systems)	Vishay Draloric	Vishay ESTA	Vishay Roederstein	Vishay Sfernice (incl. Spectrol, MCB Industrie, Bary Industries)	Vishay Specialty Thin Film (incl. Applied Thin-Film Products, Electro-Films, UltraSource)	Vishay Sprague	Vishay Vitramon
<b>Capacitors</b>													
Aluminum Electrolytic		•							•				•
Ceramic		•		•				•	•				
Energy Storage		•											
MLCC													•
Film		•							•	•			
Polymer													•
Power - Heavy Current									•				
RF Capacitors					•								•
Tantalum													•
Thin Film													•
Custom Capacitors		•							•	•	•	•	
<b>Resistors</b>													
Thick Film		•	•		•					•			
Thin Film		•	•		•					•	•		
MELF			•										
Wirewound					•					•			
Current Sense Resistors					•								
Power Resistors					•					•			
Networks and Arrays			•		•					•	•		
RF Resistors			•		•					•	•		
Sensing Thermistors	•	•		•	•								
Inrush Current Limiters	•	•											
Varistors		•		•	•								
Trimmers								•					
Rheostats										•			
Panel Potentiometers										•			
Custom Resistors		•			•					•	•		
<b>Magnetics</b>													
Inductors						•							•
RF Inductors						•							•
Chokes						•							
Custom Magnetics						•							
Transformers (incl. Planar)						•				•			
<b>Other Components</b>													
Connectors						•							
Crystals						•							
Fuses		•	•		•								
Hybrids and Substrates													•
Igniters										•			
Oscillators						•							

Sensor Products	Vishay Ametherm	Vishay BCcomponents	Vishay Dale (incl. Thin Film, Huntington, Milwaukee)	Vishay Sfernice (incl. Spectrol, MCB Industrie, Bary Industries)	Vishay Semiconductors (incl. General Semiconductor)
<b>Passive Sensors</b>					
Position				•	
Rotary, Angle				•	
Encoder				•	
Current			•		
Temperature	•	•			
<b>Optical Sensors</b>					
Ambient Light					•
Proximity					•
Gesture					•
Color					•
Quadrant					•
Transmissive					•
Reflective					•



## SEMICONDUCTORS

### Silicon Carbide (SiC)

- MaxSiC™ Silicon Carbide MOSFETs
- Silicon Carbide (SiC) Schottky Diodes
- Silicon Carbide (SiC) Power Modules

### MOSFETs

#### MOSFETs

- MaxSiC™ Silicon Carbide MOSFETs
- Low Voltage TrenchFET® Power MOSFETs
- Medium Voltage Power MOSFETs
- High Voltage Planar MOSFETs
- High Voltage Superjunction MOSFETs
- Automotive Grade MOSFETs

#### ICs - Power and Linear

- microBUCK® Voltage Regulators
- microBRICK® DC/DC Regulator Module
- VRPower® DrMOS and Smart Power Stages
- Power Management and Power Control ICs
- Smart Load Switches
- Electronic Fuses
- Analog Switches and Multiplexers

### Diodes and Rectifiers

#### Rectifiers

- Schottky Rectifiers
- Silicon Carbide (SiC) Schottky Diodes
- Ultrafast Recovery Rectifiers
- Standard and Fast Recovery Rectifiers
- High Power Rectifiers / Diodes
- Bridge Rectifiers

#### Small Signal Diodes

- Schottky and Switching Diodes
- Zener Diodes

#### Protection Diodes

- TVS TRANSZORB® and PAR® Diodes (unidirectional, bidirectional)
- ESD Protection Diodes (including arrays)

#### Discrete Thyristors

- Phase Control Thyristors

#### Power Modules

- Silicon Carbide (SiC) MOSFET
- Silicon Carbide (SiC) (diode and bridge)
- Input Modules (diodes and thyristors)
- Output and Switching Modules (contain MOSFETs, IGBTs, and diodes)
- Custom Modules

### Optoelectronic Components

#### Infrared Emitters

#### Photo Detectors

#### Optical Sensors

- Ambient Light
- Proximity
- Gesture
- Color
- Quadrant
- Transmissive

#### IR Receivers for Remote Control

#### Optocouplers / Isolators

- Phototransistor, Photodarlington

#### Linear

#### Phototriac

#### High Speed

#### IGBT and MOSFET Drivers

#### Solid-State Relays

#### LEDs and 7-Segment Displays

#### Infrared Data Transceiver Modules

#### Custom Products

## PASSIVE COMPONENTS

### Resistors

#### Film Resistors

- Metal Film Resistors
- Thin Film Resistors
- Thick Film Resistors
- Power Thick Film Resistors
- Metal Oxide Film Resistors
- Carbon Film Resistors

#### Wirewound Resistors

- Vitreous, Cemented, and Housed Resistors
- Braking and Neutral Grounding Resistors
- Custom Load Banks
- Water Cooled

#### Power Metal Plate® Current Sense Resistors

#### Power Metal Strip® Resistors

#### Battery Management Shunts

#### Crowbar and Steel Blade Resistors

#### Thermo Fuses

#### Chip Fuses

#### Pyrotechnic Initiators / Igniters

#### Variable Resistors

- Cermet Variable Resistors
- Wirewound Variable Resistors
- Conductive Plastic Variable Resistors
- Contactless Potentiometers
- Hall Effect Position Sensors
- Precision Management Encoders

#### Networks / Arrays

#### RF and Microwave Resistors

#### High Voltage Resistors

#### Dividers

#### Non-Linear Resistors and Temperature Sensors

- NTC Thermistors
- PTC Thermistors
- Thin Film RTDs
- Varistors
- Platinum Chip Temperature Sensors
- Inrush Current Limiters

### Magnetics

#### Inductors

- Power Inductors
- Power Chokes
- High Frequency RF Inductors

#### Transformers

- Medium and Low Power
- Planar
- Pulse
- SMD

#### Magnetics

- Actuators
- Antenna Coils
- Wireless Charging Coils
- Planar Chokes
- Custom Magnetics

#### Connectors

### Capacitors

#### Tantalum Capacitors

- Molded Chip Tantalum Capacitors
- Molded Chip Polymer Tantalum Capacitors
- Tantalum MAP Capacitors
- Polymer Tantalum MAP Capacitors
- Coated Chip Tantalum Capacitors
- Solid Through-Hole Tantalum Capacitors
- Wet Tantalum Capacitors

#### Ceramic Capacitors

- Multilayer Chip Capacitors (MLCCs)
- Disc Capacitors
- Multilayer Chip RF Capacitors
- Thin Film Capacitors
- RF Capacitors

#### Film Capacitors

#### Power Capacitors

#### Heavy-Current Capacitors

#### Aluminum Electrolytic Capacitors

#### ENYCAP™ Energy Storage Capacitors

## SENSORS

### Passive Sensors

#### Position

#### Rotary, Angle

#### Encoder

#### Current

#### Temperature

### Optical Sensors

#### Ambient Light

#### Proximity

#### Gesture

#### Color

#### Quadrant

#### Transmissive

#### Reflective