

### 1N6071 Information

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For Reference Only

Part Number

1N6071

Manufacturer Microsemi Corporation

Category

Circuit Protection TVS - Diodes

**Description** 

TVS DIODE 165VWM 308VC DO13

Package

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com

E-mail: salesdept@heisener.com



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### **Certified Quality**

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## **1N6071 Specifications**

Manufacturer Part Number1N6071ManufacturerMicrosemi CorporationCategoryCircuit ProtectionPackageDO-13Series-TypeZenerUnidirectional Channels-Bidirectional Channels1Voltage - Reverse Standoff (Typ)165VVoltage - Breakdown (Min)180VVoltage - Clamping (Max) @ Ipp308VCurrent - Peak Pulse (10/1000µs)4.9APower - Peak Pulse1500W (1.5kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseDO-13	•	
CategoryCircuit ProtectionTVS - DiodesPackageDO-13Series-TypeZenerUnidirectional Channels-Bidirectional Channels1Voltage - Reverse Standoff (Typ)165VVoltage - Breakdown (Min)180VVoltage - Clamping (Max) @ Ipp308VCurrent - Peak Pulse (10/1000μs)4.9APower - Peak Pulse1500W (1.5kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough Hole	Manufacturer Part Number	1N6071
Package DO-13 Series - Caner Type Zener Unidirectional Channels - Caner Unidirectional Channels 1 Voltage - Reverse Standoff (Typ) 165V Voltage - Breakdown (Min) 180V Voltage - Clamping (Max) @ Ipp 308V Current - Peak Pulse (10/1000µs) 4.9A Power - Peak Pulse 1500W (1.5kW) Power Line Protection No Applications General Purpose Capacitance @ Frequency - Coperating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole	Manufacturer	Microsemi Corporation
PackageDO-13Series-TypeZenerUnidirectional Channels-Bidirectional Channels1Voltage - Reverse Standoff (Typ)165 VVoltage - Breakdown (Min)180 VVoltage - Clamping (Max) @ Ipp308 VCurrent - Peak Pulse (10/1000μs)4.9APower - Peak Pulse1500W (1.5kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough Hole	Category	Circuit Protection
Series - Zener  Type Zener  Unidirectional Channels - Sidirectional Channels 1  Voltage - Reverse Standoff (Typ) 165V  Voltage - Breakdown (Min) 180V  Voltage - Clamping (Max) @ Ipp 308V  Current - Peak Pulse (10/1000µs) 4.9A  Power - Peak Pulse 1500W (1.5kW)  Power Line Protection No  Applications General Purpose  Capacitance @ Frequency - 55°C ~ 175°C (TJ)  Mounting Type Through Hole		TVS - Diodes
TypeZenerUnidirectional Channels-Bidirectional Channels1Voltage - Reverse Standoff (Typ)165VVoltage - Breakdown (Min)180VVoltage - Clamping (Max) @ Ipp308VCurrent - Peak Pulse (10/1000μs)4.9APower - Peak Pulse1500W (1.5kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough Hole	Package	DO-13
Unidirectional Channels  Bidirectional Channels  Voltage - Reverse Standoff (Typ)  165V  Voltage - Breakdown (Min)  180V  Voltage - Clamping (Max) @ Ipp  308V  Current - Peak Pulse (10/1000μs)  4.9A  Power - Peak Pulse  1500W (1.5kW)  Power Line Protection  No  Applications  Capacitance @ Frequency  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Through Hole	Series	-
Bidirectional Channels1Voltage - Reverse Standoff (Typ)165 VVoltage - Breakdown (Min)180 VVoltage - Clamping (Max) @ Ipp308 VCurrent - Peak Pulse (10/1000μs)4.9 APower - Peak Pulse1500W (1.5kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55 °C ~ 175 °C (TJ)Mounting TypeThrough Hole	Туре	Zener
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Voltage - Breakdown (Min)180VVoltage - Clamping (Max) @ Ipp308VCurrent - Peak Pulse (10/1000μs)4.9APower - Peak Pulse1500W (1.5kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough Hole	Bidirectional Channels	1
Voltage - Clamping (Max) @ Ipp308VCurrent - Peak Pulse (10/1000μs)4.9APower - Peak Pulse1500W (1.5kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough Hole	Voltage - Reverse Standoff (Typ)	165V
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Power - Peak Pulse1500W (1.5kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough Hole	Voltage - Clamping (Max) @ Ipp	308V
Power Line Protection  Applications  General Purpose  Capacitance @ Frequency  Operating Temperature  Mounting Type  No  Through Hole	Current - Peak Pulse (10/1000µs)	4.9A
Applications General Purpose  Capacitance @ Frequency -  Operating Temperature -55°C ~ 175°C (TJ)  Mounting Type Through Hole	Power - Peak Pulse	1500W (1.5kW)
Capacitance @ Frequency - Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Through Hole	Power Line Protection	No
Operating Temperature $-55^{\circ}\text{C} \sim 175^{\circ}\text{C} \text{ (TJ)}$ Mounting Type Through Hole	Applications	General Purpose
Mounting Type Through Hole	Capacitance @ Frequency	-
	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case DO-13	Mounting Type	Through Hole
	Package / Case	DO-13
Supplier Device Package DO-13	Supplier Device Package	DO-13
Report errors?		Report errors?

### 1N6071 Guarantees



#### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

### **1N6071 Payment Methods**



















# 1N6071 Shipping Methods













If you have any question about 1N6071, please do not hesitate to contact us!

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