

# 5KP90E3/TR13

### 5KP90E3/TR13 Information

Heisener.com	Part Number Manufacturer Category Description Package	5KP90E3/TR13 Microsemi Corporation Circuit Protection TVS - Diodes TVS DIODE 90VWM 160VC P600 P600, Axial For the pricing/inventory/lead time, please contact	
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote



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## 5KP90E3/TR13 Specifications

ManufacturerMicrosemi CorporationCategoryCircuit Protection TVS - DiodesPackageP600, AxialSeries-Spei-TypeZenerUnidirectional Channels-Bidirectional Channels-Voltage - Reverse Standoff (Typ)90VVoltage - Breakdown (Min)100VVoltage - Clamping (Max) @ Ipp160VVoltage - Clamping (Max) @ Ipp31.3APower Line ProtectionNoApplicationsGeneral PurposeApplications-Capacitance @ Frequency-Operating Temperature-Mounting Type-Package / CasePoion AcialSupplier Device PackagePoion AcialOperating Protection-Mounting Type-Protection-Mounting Type-Protection-Mounting TypePioon AcialProtection-Mounting Type-Protection-Mounting Type-Protection-Mounting Type-Protection-Mounting Type-Protection-Mounting Type-Protection-Protection-Mounting Type-Protection-Protection-Mounting Type-Protection-Protection-Mounting Type-Protection		
CategoryCircuit ProtectionTVS - DiodesPackageP600, AxialSeries-TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)90VVoltage - Reverse Standoff (Typ)100VVoltage - Clamping (Max) @ Ipp160VCurrent - Peak Pulse (10/100µs)31.3APower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseP600, AxialSupplier Device PackageP600	Manufacturer Part Number	5KP90E3/TR13
TVS - DiodesPackageP600, AxialSeries-TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)90VVoltage - Breakdown (Min)100VVoltage - Clamping (Max) @ Ipp160VCurrent - Peak Pulse (10/1000µs)31.3APower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeFhoog HolePackage / CaseP600, AxialSupplier Device PackageP600	Manufacturer	Microsemi Corporation
PackageP600, AxialSeries-TypeZenerUndirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)90VVoltage - Breakdown (Min)100VVoltage - Clamping (Max) @ Ipp160VCurrent - Peak Pulse (10/1000µs)31.3APower - Peak Pulse5000W (5kW)Power Line ProtectionNoApplicationsGeneral PurposeOperating Temperature-Operating Temperature-Mounting Type-Package / CaseF600, AxialSupplier Device PackageF600	Category	Circuit Protection
Series-TypeZenerUndirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)90VVoltage - Breakdown (Min)100VVoltage - Clamping (Max) @ Ipp160VCurrent - Peak Pulse (10/1000µs)31.3APower - Peak Pulse5000W (5kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~175°C (TJ)Mounting TypeFrough HolePackage / CaseF600, AxialSupplier Device PackageF600		TVS - Diodes
TypeZenerUndirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)90VVoltage - Reverse Standoff (Typ)100VVoltage - Breakdown (Min)100VVoltage - Clamping (Max) @ Ipp160VCurrent - Peak Pulse (10/1000µs)31.3APower - Peak Pulse5000W (5kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseP600	Package	P600, Axial
OpenDefinitionUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)90VVoltage - Reverse Standoff (Typ)100VVoltage - Clamping (Max) @ Ipp160VCurrent - Peak Pulse (10/1000µs)31.3APower - Peak Pulse (10/1000µs)5000W (5kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseP600, AxialSupplier Device PackageP600	Series	-
Bidirectional Channels-Bidirectional Channels-Voltage - Reverse Standoff (Typ)90VVoltage - Breakdown (Min)100VVoltage - Clamping (Max) @ Ipp160VCurrent - Peak Pulse (10/1000µs)31.3APower - Peak Pulse (10/1000µs)5000W (5kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeFhough HolePackage / CaseP600, AxialSupplier Device PackageP600	Туре	Zener
Voltage - Reverse Standoff (Typ)90VVoltage - Breakdown (Min)100VVoltage - Clamping (Max) @ Ipp160VCurrent - Peak Pulse (10/100µs)31.3APower - Peak Pulse5000W (5kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypePhooge ActivationPackage / CaseP600, Axial	Unidirectional Channels	1
Voltage - Breakdown (Min)100VVoltage - Clamping (Max) @ Ipp160VCurrent - Peak Pulse (10/1000µs)31.3APower - Peak Pulse5000W (5kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseP600, AxialSupplier Device PackageP600	Bidirectional Channels	-
Voltage - Clamping (Max) @ Ipp160VCurrent - Peak Pulse (10/1000µs)31.3APower - Peak Pulse5000W (5kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeFhough HolePackage / CaseP600, AxialSupplier Device PackageP600	Voltage - Reverse Standoff (Typ)	90V
Current - Peak Pulse (10/1000µs)31.3APower - Peak Pulse5000W (5kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseP600, AxialSupplier Device PackageP600	Voltage - Breakdown (Min)	100V
Power - Peak Pulse5000W (5kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseP600, AxialSupplier Device PackageP600	Voltage - Clamping (Max) @ Ipp	160V
Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseP600, AxialSupplier Device PackageP600	Current - Peak Pulse (10/1000µs)	31.3A
ApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseP600, AxialSupplier Device PackageP600	Power - Peak Pulse	5000W (5kW)
Capacitance @ Frequency-Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseP600, AxialSupplier Device PackageP600	Power Line Protection	No
Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeThrough HolePackage / CaseP600, AxialSupplier Device PackageP600	Applications	General Purpose
Mounting TypeThrough HolePackage / CaseP600, AxialSupplier Device PackageP600	Capacitance @ Frequency	-
Package / CaseP600, AxialSupplier Device PackageP600	Operating Temperature	-55°C ~ 175°C (TJ)
Supplier Device Package P600	Mounting Type	Through Hole
	Package / Case	P600, Axial
	Supplier Device Package	P600
Report errors?		Report errors?

#### 5KP90E3/TR13 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 UARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

#### 5KP90E3/TR13 Payment Methods





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