

# SMF54A

### **SMF54A Information**



Part NumberSMF54AManufacturerLittelfuse Inc.CategoryCircuit Protection<br/>TVS - DiodesDescriptionTVS DIODE 54VWM 87.1VC SOD123FPackageSOD-123F<br/>For the pricing/inventory/lead time, please contact<br/>us<br/>Website: https://www.heisener.com<br/>E-mail: salesdept@heisener.com



Request a Quote

For Reference Only

# **Certified Quality**

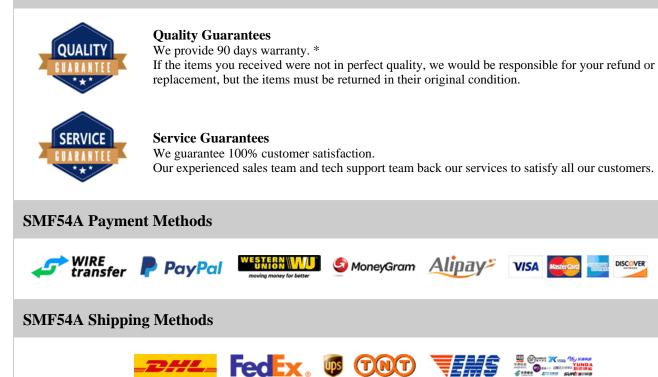
Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



## **SMF54A Specifications**

ManufacturerLittelfuse Inc.CategoryCircuit ProtectionTVS - DiodesTVS - DiodesPackageSOD-123FSeriesSMFTypeCenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)60VVoltage - Breakdown (Min)60VVoltage - Clamping (Max) @ Ipp3.3APower - Peak Pulse (10/100µs)2.3APower Line ProtectionNoApplicationsGeneral PurposeCurgent - PequencySoldApplicationsSince Clamping (Max)ApplicationsSince		
CategoryCircuit ProtectionTVS - DiodesPackageSOD-123FSeriesSMFTypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)54VVoltage - Breakdown (Min)60VVoltage - Clamping (Max) @ Ipp87.1VCurrent - Peak Pulse (10/100µs)2.3APower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating TemperatureStrice CurrontMounting TypeSufface MountPackage / CaseSufface MountSupplier Device PackageSufface Mount	Manufacturer Part Number	SMF54A
TVS - DiodesPackageSOD-123FSeriesSMFTypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)54VVoltage - Breakdown (Min)60VVoltage - Clamping (Max) @ Ipp87.1VCurrent - Peak Pulse (10/1000µs)2.3APower - Peak Pulse200WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSOD-123FSupplier Device PackageSOD-123F	Manufacturer	Littelfuse Inc.
PackageSOD-123FSeriesSMFTypeZenerUndirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)54VVoltage - Beakdown (Min)60VVoltage - Clamping (Max) @ Ipp87.1VCurrent - Peak Pulse (10/1000µs)2.3APower - Peak Pulse200WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature55°C ~ 150°C (TJ)Mounting TypeSUD-123FPackage / CaseSUD-123FSupplier Device PackageSUD-123F	Category	Circuit Protection
Series SMF   Series SMF   Type Zener   Undirectional Channels 1   Bidirectional Channels -   Voltage - Reverse Standoff (Typ) 54V   Voltage - Reverse Standoff (Typ) 60V   Voltage - Standoff (Typ) 60V   Voltage - Clamping (Max) @ Ipp 2.3A   Power - Peak Pulse (10/1000µs) 200W   Power - Peak Pulse 200W   Power - Peak Pulse Sereal Purpose   Operations General Purpose   Operating Temperature -   Operating Temperature -   Mounting Type Surface Mount   Package / Case SOD-123F		TVS - Diodes
TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)54VVoltage - Reverse Standoff (Typ)60VVoltage - Breakdown (Min)60VVoltage - Clamping (Max) @ Ipp87.1VCurrent - Peak Pulse (10/1000µs)2.3APower - Peak Pulse200WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSOD-123FSupplier Device PackageSOD-123F	Package	SOD-123F
Image: Constraint of the section of	Series	SMF
Bidirectional Channels-Bidirectional Channels-Voltage - Reverse Standoff (Typ)54VVoltage - Breakdown (Min)60VVoltage - Clamping (Max) @ Ipp87.1VCurrent - Peak Pulse (10/1000µs)2.3APower - Peak Pulse (10/1000µs)200WPower - Peak Pulse200WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSOD-123FSupplier Device PackageSOD-123F	Туре	Zener
Voltage - Reverse Standoff (Typ)54VVoltage - Breakdown (Min)60VVoltage - Clamping (Max) @ Ipp87.1VCurrent - Peak Pulse (10/100µs)2.3APower - Peak Pulse (10/100µs)200WPower - Peak Pulse00WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSOD-123FSupplier Device PackageSOD-123F	Unidirectional Channels	1
Voltage - Breakdown (Min)60VVoltage - Clamping (Max) @ Ipp87.1VCurrent - Peak Pulse (10/1000µs)2.3APower - Peak Pulse200WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSOD-123FSupplier Device PackageSOD-123F	Bidirectional Channels	-
Voltage - Clamping (Max) @ Ipp87.1VCurrent - Peak Pulse (10/1000µs)2.3APower - Peak Pulse200WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSOD-123FSupplier Device PackageSOD-123F	Voltage - Reverse Standoff (Typ)	54V
Current - Peak Pulse (10/1000µs)2.3APower - Peak Pulse200WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSOD-123FSupplier Device PackageSOD-123F	Voltage - Breakdown (Min)	60V
Power - Peak Pulse200WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSOD-123FSupplier Device PackageSOD-123F	Voltage - Clamping (Max) @ Ipp	87.1V
Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSOD-123FSupplier Device PackageSOD-123F	Current - Peak Pulse (10/1000µs)	2.3A
ApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSOD-123FSupplier Device PackageSOD-123F	Power - Peak Pulse	200W
Capacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSOD-123FSupplier Device PackageSOD-123F	Power Line Protection	No
Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSOD-123FSupplier Device PackageSOD-123F	Applications	General Purpose
Mounting TypeSurface MountPackage / CaseSOD-123FSupplier Device PackageSOD-123F	Capacitance @ Frequency	-
Package / CaseSOD-123FSupplier Device PackageSOD-123F	Operating Temperature	-55°C ~ 150°C (TJ)
Supplier Device Package SOD-123F	Mounting Type	Surface Mount
	Package / Case	SOD-123F
Report errors?	Supplier Device Package	SOD-123F
		Report errors?

#### **SMF54A Guarantees**



If you have any question about SMF54A, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com