

# **SMAJ70**

#### **SMAJ70 Information**



Part Number	SMAJ70	
Manufacturer	Littelfuse Inc.	
Category	Circuit Protection TVS - Diodes	
Description	TVS DIODE 70VWM 118.65VC SMA	
Package	DO-214AC, SMA	
	For the pricing/inventory/lead time, please contact	
	us	
	Website: https://www.heisener.com	
	E-mail: salesdept@heisener.com	



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# **Certified Quality**

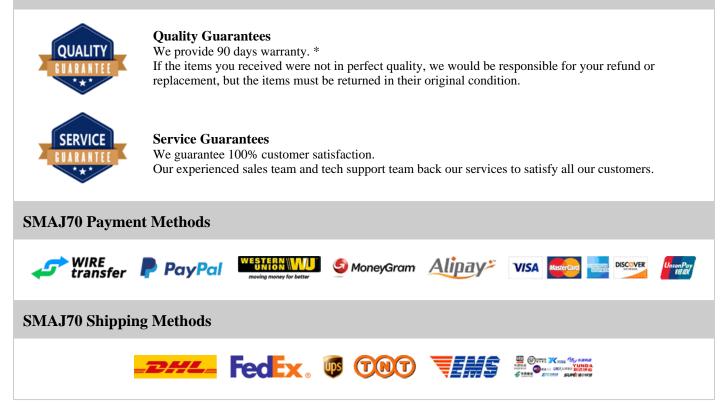
Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



## **SMAJ70 Specifications**

ManufacturerLittelfuse Inc.CategoryCircuit Protection TVS - DiodesPackageDo-214AC, SMASeriesSMAJSpriesSMAJTypeZenerUnidirectional Channels1Bidirectional Channels70VVoltage - Reverse Standoff (Typ)70,1VVoltage - Breakdown (Min)73,71VVoltage - Clamping (Max) @ Ipp118.65VCurrent - Peak Pulse (10/1000µs)35APower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-Pokage / CaseSurface MountPackage / CaseSurface MountPackage / CaseDo-214AC, SMASupplier Device PackageDo-214AC, SMA	-	
CategoryCircuit ProtectionTVS - DiodesPackageDO-214AC, SMASeriesSMAJTypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)70VVoltage - Breakdown (Min)73.71VVoltage - Clamping (Max) @ Ipp118.65VCurrent - Peak Pulse (10/100µs)3.5APower Line ProtectionMoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Manufacturer Part Number	SMAJ70
TVS - DiodesPackageDO-214AC, SMASeriesSMAJTypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)70VVoltage - Breakdown (Min)73.71VVoltage - Clamping (Max) @ Ipp118.65VCurrent - Peak Pulse (10/1000µs)3.5APower Line ProtectionMoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Manufacturer	Littelfuse Inc.
PackageDO-214AC, SMASeriesSMAJTypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)70VVoltage - Breakdown (Min)73.71VVoltage - Clamping (Max) @ Ipp118.65VCurrent - Peak Pulse (10/1000µs)3.5APower - Peak Pulse400WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Category	Circuit Protection
SeriesSMAJTypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)70VVoltage - Breakdown (Min)73.71VVoltage - Clamping (Max) @ Ipp118.65VCurrent - Peak Pulse (10/1000µs)3.5APower - Peak Pulse400WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Type55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)		TVS - Diodes
TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)70VVoltage - Breakdown (Min)73.71VVoltage - Clamping (Max) @ Ipp118.65VCurrent - Peak Pulse (10/1000µs)3.5APower - Peak Pulse400WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Package	DO-214AC, SMA
A1Unidirectional Channels-Bidirectional Channels-Voltage - Reverse Standoff (Typ)70VVoltage - Breakdown (Min)73.71VVoltage - Clamping (Max) @ Ipp118.65VCurrent - Peak Pulse (10/1000µs)3.5APower - Peak Pulse (10/1000µs)400WPower - Peak Pulse6eneral PurposePower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating TemperatureSurface MountMounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Series	SMAJ
Bidirectional Channels-Bidirectional Channels-Voltage - Reverse Standoff (Typ)70VVoltage - Breakdown (Min)73.71VVoltage - Clamping (Max) @ Ipp118.65VCurrent - Peak Pulse (10/1000µs)3.5APower - Peak Pulse (10/1000µs)400WPower - Peak Pulse400WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Туре	Zener
Voltage - Reverse Standoff (Typ)70VVoltage - Breakdown (Min)73.71VVoltage - Clamping (Max) @ Ipp118.65VCurrent - Peak Pulse (10/100µs)3.5APower - Peak Pulse (10/100µs)400WPower - Peak PulseNoPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating TemperatureSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Unidirectional Channels	1
Voltage - Breakdown (Min)73.71VVoltage - Clamping (Max) @ Ipp118.65VCurrent - Peak Pulse (10/1000µs)3.5APower - Peak Pulse400WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Bidirectional Channels	-
Voltage - Clamping (Max) @ Ipp118.65VCurrent - Peak Pulse (10/1000µs)3.5APower - Peak Pulse400WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Voltage - Reverse Standoff (Typ)	70V
Current - Peak Pulse (10/1000µs)3.5APower - Peak Pulse400WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Voltage - Breakdown (Min)	73.71V
Power - Peak Pulse400WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Voltage - Clamping (Max) @ Ipp	118.65V
Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Current - Peak Pulse (10/1000µs)	3.5A
ApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Power - Peak Pulse	400W
Capacitance @ Frequency-Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Power Line Protection	No
Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Applications	General Purpose
Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Capacitance @ Frequency	-
Package / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Operating Temperature	-55°C ~ 150°C (TJ)
Supplier Device Package DO-214AC (SMA)	Mounting Type	Surface Mount
	Package / Case	DO-214AC, SMA
Report errors?	Supplier Device Package	DO-214AC (SMA)
		Report errors?

#### **SMAJ70** Guarantees



If you have any question about SMAJ70, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com