

# SMDJ22

### **SMDJ22 Information**



Part Number	SMDJ22	
Manufacturer	Littelfuse Inc.	
Category	Circuit Protection TVS - Diodes	
Description	TVS DIODE 22VWM 37.28VC SMD	
Package	DO-214AB, SMC	
	For the pricing/inventory/lead time, please contact	
	us	
	Website: https://www.heisener.com	
	E-mail: salesdept@heisener.com	



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#### 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.



### **SMDJ22 Specifications**

Manufacturer Littelfuse Inc.   Category Circuit Protection   TVS - Diodes TVS - Diodes   Package DO-214AB, SMC   Series SMDJ   Type Zener   Undirectional Channels 1   Bidirectional Channels -   Voltage - Reverse Standoff (Typ) 22V   Voltage - Breakdown (Min) 23.09V   Voltage - Clamping (Max) @ Ipp 37.28V   Current - Peak Pulse (10/1000µs) 84.5A   Power Line Protection No   Applications General Purpose   Capacitance @ Frequency -   Operating Temperature -   Package / Case Surface Mount   Package / Case DO-214AB, SMC	-	
CategoryCircuit ProtectionTVS - DiodesPackageDO-214AB, SMCPackageSMDJSeriesSMDJTypeZenerUndirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)22VVoltage - Breakdown (Min)23.09VVoltage - Clamping (Max) @ Ipp37.28VCurrent - Peak Pulse (10/100µs)84.5APower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB (SMCJ)	Manufacturer Part Number	SMDJ22
TVS - DiodesPackageDO-214AB, SMCSeriesSMDJTypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)22VVoltage - Breakdown (Min)23.09VVoltage - Clamping (Max) @ Ipp37.28VCurrent - Peak Pulse (10/1000µs)84.5APower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB (SMCJ)	Manufacturer	Littelfuse Inc.
PackageDO-214AB, SMCSeriesSMDJTypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)22VVoltage - Breakdown (Min)23.09VVoltage - Clamping (Max) @ Ipp37.28VCurrent - Peak Pulse (10/1000µs)84.5APower - Peak Pulse3000W (3kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature65°C ~ 150°C (TJ)Package / CaseDO-214AB, SMCSupplier Device PackageDO-214AB (SMCJ)	Category	Circuit Protection
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Bidirectional Channels-Bidirectional Channels-Voltage - Reverse Standoff (Typ)22VVoltage - Breakdown (Min)23.09VVoltage - Clamping (Max) @ Ipp37.28VCurrent - Peak Pulse (10/1000µs)84.5APower - Peak Pulse (10/1000µs)3000W (3kW)Power - Peak Pulse3000W (3kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB (SMCJ)	Туре	Zener
Voltage - Reverse Standoff (Typ)22VVoltage - Breakdown (Min)23.09VVoltage - Clamping (Max) @ Ipp37.28VCurrent - Peak Pulse (10/1000µs)84.5APower - Peak Pulse3000W (3kW)Power - Peak PulseNoPower Line ProtectionGeneral PurposeApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB (SMCJ)	Unidirectional Channels	1
Voltage - Breakdown (Min)23.09VVoltage - Clamping (Max) @ Ipp37.28VCurrent - Peak Pulse (10/1000µs)84.5APower - Peak Pulse3000W (3kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB (SMCJ)	Bidirectional Channels	-
Voltage - Clamping (Max) @ Ipp37.28VCurrent - Peak Pulse (10/1000µs)84.5APower - Peak Pulse3000W (3kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB (SMCJ)	Voltage - Reverse Standoff (Typ)	22V
Current - Peak Pulse (10/1000µs)84.5APower - Peak Pulse3000W (3kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB (SMCJ)	Voltage - Breakdown (Min)	23.09V
Power - Peak Pulse3000W (3kW)Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB (SMCJ)	Voltage - Clamping (Max) @ Ipp	37.28V
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ApplicationsGeneral PurposeCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB (SMCJ)	Power - Peak Pulse	3000W (3kW)
Capacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB (SMCJ)	Power Line Protection	No
Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB (SMCJ)	Applications	General Purpose
Mounting TypeSurface MountPackage / CaseDO-214AB, SMCSupplier Device PackageDO-214AB (SMCJ)	Capacitance @ Frequency	-
Package / Case DO-214AB, SMC Supplier Device Package DO-214AB (SMCJ)	Operating Temperature	-65°C ~ 150°C (TJ)
Supplier Device Package DO-214AB (SMCJ)	Mounting Type	Surface Mount
	Package / Case	DO-214AB, SMC
Report errors <sup>6</sup>	Supplier Device Package	DO-214AB (SMCJ)
		Report errors?

### **SMDJ22** 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.



If you have any question about SMDJ22, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com