

# 1SMA15AT3G

#### **1SMA15AT3G Information**



Part NumberISMA15AT3GManufacturerLittelfuse Inc.CategoryCircuit Protection<br/>TVS - DiodesDescriptionTVS DIODE 15VWM 24.4VC SMAPackageDO-214AC, SMA<br/>For the pricing/inventory/lead time, please contact<br/>us<br/>Website: https://www.heisener.com<br/>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.



### **1SMA15AT3G Specifications**

ManufacturerLittelfuse Inc.CategoryCircuit Protection TVS - DiodesPackageDO-214AC, SMASeriesAutonotive, AEC-Q101SeriesZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)15VVoltage - Breakdown (Min)16.7VVoltage - Clamping (Max) @ Ipp24.4VCurrent - Peak Pulse (10/1000µS)16.4APower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency758pF @ 11MLzOperating Temperature-5°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageSMA	-	
CategoryCircuit ProtectionTVS - DiodesPackageDO-214AC, SMASeriesAutomotive, AEC-Q101TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)15VVoltage - Breakdown (Min)66.7VVoltage - Clamping (Max) @ Ipp24.4VCurrent - Peak Pulse (10/1000µs)16.4APower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency758pF @ 1MHzOperating Temperature65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageSMA	Manufacturer Part Number	1SMA15AT3G
TVS - DiodesPackageDO-214AC, SMASeriesAutomotive, AEC-Q101TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)I5VVoltage - Breakdown (Min)16.7VVoltage - Clamping (Max) @ Ipp24.4VCurrent - Peak Pulse (10/1000µs)16.4APower - Peak Pulse400WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency758pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageSMA	Manufacturer	Littelfuse Inc.
PackageDO-214AC, SMASeriesAutomotive, AEC-Q101TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)15VVoltage - Breakdown (Min)16.7VVoltage - Clamping (Max) @ Ipp24.4VCurrent - Peak Pulse (10/1000µs)16.4APower - Peak Pulse400WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency758pF @ 11MHzOperating Temperature65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSMA	Category	Circuit Protection
SeriesAutomotive, AEC-Q101TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)15VVoltage - Breakdown (Min)16.7VVoltage - Clamping (Max) @ Ipp24.4VCurrent - Peak Pulse (10/1000µs)16.4APower - Peak Pulse400WPower Line ProtectionNoApplications758pF @ 1MHzCapacitance @ Frequency55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageSMA		TVS - Diodes
TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)15VVoltage - Breakdown (Min)16.7VVoltage - Clamping (Max) @ Ipp24.4VCurrent - Peak Pulse (10/100µs)16.4APower - Peak Pulse400WPower Line ProtectionNoApplications758pF @ 11MHzCapacitance @ Frequency55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case5MA	Package	DO-214AC, SMA
A1Unidirectional Channels-Bidirectional Channels-Voltage - Reverse Standoff (Typ)15VVoltage - Breakdown (Min)16.7VVoltage - Clamping (Max) @ Ipp24.4VCurrent - Peak Pulse (10/1000µs)16.4APower - Peak Pulse (10/1000µs)400WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency-55°C ~ 150°C (TJ)Operating TemperatureSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageSMA	Series	Automotive, AEC-Q101
Bidirectional Channels-Bidirectional Channels-Voltage - Reverse Standoff (Typ)15VVoltage - Breakdown (Min)16.7VVoltage - Clamping (Max) @ Ipp24.4VCurrent - Peak Pulse (10/1000µs)16.4APower - Peak Pulse (10/1000µs)400WPower - Peak Pulse400WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency758pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageSMA	Туре	Zener
Voltage - Reverse Standoff (Typ)15VVoltage - Breakdown (Min)16.7VVoltage - Clamping (Max) @ Ipp24.4VCurrent - Peak Pulse (10/1000µs)16.4APower - Peak Pulse (10/1000µs)400WPower - Peak PulseNoPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency758pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageSMA	Unidirectional Channels	1
Voltage - Breakdown (Min)16.7VVoltage - Clamping (Max) @ Ipp24.4VCurrent - Peak Pulse (10/1000µs)16.4APower - Peak Pulse400WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency758pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageSMA	Bidirectional Channels	-
Voltage - Clamping (Max) @ Ipp24.4VCurrent - Peak Pulse (10/1000µs)16.4APower - Peak Pulse400WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency758pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageSMA	Voltage - Reverse Standoff (Typ)	15V
Current - Peak Pulse (10/1000µs)16.4APower - Peak Pulse400WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency758pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageSMA	Voltage - Breakdown (Min)	16.7V
Power - Peak Pulse400WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency758pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageSMA	Voltage - Clamping (Max) @ Ipp	24.4V
Power Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency758pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageSMA	Current - Peak Pulse (10/1000µs)	16.4A
ApplicationsAutomotiveCapacitance @ Frequency758pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageSMA	Power - Peak Pulse	400W
Capacitance @ Frequency758pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageSMA	Power Line Protection	No
Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageSMA	Applications	Automotive
Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageSMA	Capacitance @ Frequency	758pF @ 1MHz
Package / CaseDO-214AC, SMASupplier Device PackageSMA	Operating Temperature	-65°C ~ 150°C (TJ)
Supplier Device Package SMA	Mounting Type	Surface Mount
	Package / Case	DO-214AC, SMA
Report errors?	Supplier Device Package	SMA
		Report errors?

#### **1SMA15AT3G 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 EUARANTEE

#### **Service Guarantees**

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

# **1SMA15AT3G Payment Methods**





If you have any question about 1SMA15AT3G, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com