

# **1SMB13AT3**

### **1SMB13AT3** Information

www.ineisener.com	Part Number Manufacturer Category Description Package	1SMB13AT3 ON Semiconductor Circuit Protection TVS - Diodes TVS DIODE 13VWM 21.5VC SMB DO-214AA, SMB 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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## **1SMB13AT3** Specifications

ManufacturerON SemiconductorCategoryCircuit ProtectionTVS - DiodesPackageDO-214AA, SMBSeries-TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)3VVoltage - Breakdown (Min)14.4VVoltage - Clamping (Max) @ Ipp21.5VCurrent - Peak Pulse (10/100µs)27.9APower Line ProtectionMoApplicationsGeneral PurposeCapacitance @ Frequency1160pF @ 1MHzOperating Temperature65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseSurface Mount		
CategoryCircuit ProtectionTVS - DiodesPackageDO-214AA, SMBSeries-TypeZenerUnidrectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)13VVoltage - Breakdown (Min)14.4VVoltage - Clamping (Max) @ Ipp21.5VCurrent - Peak Pulse (10/1000µs)79.9APower Line ProtectionKonApplicationsGeneral PurposeCapacitance @ Frequency1160pF @ 11HHzOperating TwppeSufface MountPowenting TypeSufface MountPowenting TypeSufface MountSupplier Device PackageSufface Mount	Manufacturer Part Number	1SMB13AT3
TVS - DiodesPackageDO-214AA, SMBSeries-TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)13VVoltage - Breakdown (Min)14.4VVoltage - Clamping (Max) @ Ipp21.5VCurrent - Peak Pulse (10/1000µs)27.9APower - Peak Pulse600WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency1160pF @ 11MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageSMB	Manufacturer	ON Semiconductor
PackageDO-214AA, SMBSeries-TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)13VVoltage - Breakdown (Min)14.4VVoltage - Clamping (Max) @ Ipp21.5VCurrent - Peak Pulse (10/1000µs)600WPower - Peak Pulse600WPower - Peak Pulse600WOperating Frequency1160pF @ 1MHzOperating Temperature65°C ~ 150°C (TJ)Mounting TypeDo-214AA, SMBSupplier Device PackageSMB	Category	Circuit Protection
Series-TypeZenerUndirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)13VVoltage - Breakdown (Min)14.4VVoltage - Clamping (Max) @ Ipp21.5VCurrent - Peak Pulse (10/1000µs)70.9APower - Peak Pulse600WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency1160pF @ 1MHzOperating Type55°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case500214AA, SMBSupplier Device PackageSMB		TVS - Diodes
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Unidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)13VVoltage - Breakdown (Min)14.4VVoltage - Clamping (Max) @ Ipp21.5VCurrent - Peak Pulse (10/1000µs)27.9APower - Peak Pulse600WPower - Peak PulseNoApplicationsGeneral PurposeCapacitance @ Frequency1160pF @ 1MHzOperating TemperatureSurface MountPackage / CaseDo-214AA, SMBSupplier Device PackageSMB	Series	-
Bidirectional Channels-Voltage - Reverse Standoff (Typ)13VVoltage - Breakdown (Min)14.4VVoltage - Clamping (Max) @ Ipp21.5VCurrent - Peak Pulse (10/1000µs)27.9APower - Peak Pulse600WPower - Peak PulseNoPower Line ProtectionNoApplicationsGeneral PurposeCuperating Temperature-65°C ~150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageSMB	Туре	Zener
Voltage - Reverse Standoff (Typ)13VVoltage - Breakdown (Min)14.4VVoltage - Clamping (Max) @ Ipp21.5VCurrent - Peak Pulse (10/1000µs)27.9APower - Peak Pulse (10/1000µs)600WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency1160pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageSMB	Unidirectional Channels	1
Voltage - Breakdown (Min)14.4VVoltage - Clamping (Max) @ Ipp21.5VCurrent - Peak Pulse (10/1000µs)27.9APower - Peak Pulse600WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency1160pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageSMB	Bidirectional Channels	-
Voltage - Clamping (Max) @ Ipp21.5VCurrent - Peak Pulse (10/1000µs)27.9APower - Peak Pulse600WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency1160pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageSMB	Voltage - Reverse Standoff (Typ)	13V
Current - Peak Pulse (10/1000µs)27.9APower - Peak Pulse600WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency1160pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageSMB	Voltage - Breakdown (Min)	14.4V
Power - Peak Pulse600WPower Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency1160pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageSMB	Voltage - Clamping (Max) @ Ipp	21.5V
Power Line ProtectionNoApplicationsGeneral PurposeCapacitance @ Frequency1160pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageSMB	Current - Peak Pulse (10/1000µs)	27.9A
ApplicationsGeneral PurposeCapacitance @ Frequency1160pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageSMB	Power - Peak Pulse	600W
Capacitance @ Frequency1160pF @ 1MHzOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageSMB	Power Line Protection	No
Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageSMB	Applications	General Purpose
Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageSMB	Capacitance @ Frequency	1160pF @ 1MHz
Package / CaseDO-214AA, SMBSupplier Device PackageSMB	Operating Temperature	-65°C ~ 150°C (TJ)
Supplier Device Package SMB	Mounting Type	Surface Mount
	Package / Case	DO-214AA, SMB
Report errors	Supplier Device Package	SMB
		Report errors?

#### **1SMB13AT3** 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

#### **Service Guarantees**

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

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If you have any question about 1SMB13AT3, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com