

# **SM6T27AHE3/52**

### SM6T27AHE3/52 Information

	 SM6T27AHE3/52 Vishay Semiconductor Diodes Division Circuit Protection TVS - Diodes TVS DIODE 23.1VWM 37.5VC 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

## **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.



## SM6T27AHE3/52 Specifications

ManufacturerVishay Semiconductor Diodes DivisionCategoryCircuit ProtectionTVS - DiodesPackageDO-214AA, SMBSeriesAutomotive, AEC-Q101, SM6T, TransZorb?TypeZenerUnidirectional Channels-Bidirectional Channels-Voltage - Reverse Standoff (Typ)23.1VVoltage - Breakdown (Min)25.7VVoltage - Clamping (Max) @ Ipp37.5VCurrent - Peak Pulse (10/100µs)16APower Line ProtectionNoAutomotiveAutomotiveCapacitance @ Frequency-Operating Temperature-Manufacture Package / CaseSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA, SMB		
CategoryCircuit ProtectionTVS - DiodesPackageDO-214AA, SMBSeriesAutomotive, AEC-Q101, SM6T, TransZorb?TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)23.1VVoltage - Reverse Standoff (Typ)37.5VVoltage - Clamping (Max) @ Ipp600WPower Line ProtectionNoAutomotiveApplications-Automotive-Operating Temperature-Operating TemperatureSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMBJ)	Manufacturer Part Number	SM6T27AHE3/52
TVS - DiodesPackageDO-214AA, SMBSeriesAutomotive, AEC-Q101, SM6T, TransZorb?TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)23.1VVoltage - Breakdown (Min)25.7VVoltage - Clamping (Max) @ Ipp37.5VCurrent - Peak Pulse (10/1000µs)16APower - Peak Pulse600WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency-Operating Temperature65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMBJ)	Manufacturer	Vishay Semiconductor Diodes Division
PackageDO-214AA, SMBSeriesAutomotive, AEC-Q101, SM6T, TransZorb?TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)23.1VVoltage - Breakdown (Min)25.7VVoltage - Clamping (Max) @ Ipp37.5VCurrent - Peak Pulse (10/1000µs)600WPower - Peak Pulse600WPower Line ProtectionNoApplications-Operating Temperature-Operating Temperature-Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMBJ)	Category	Circuit Protection
SeriesAutomotive, AEC-Q101, SM6T, TransZorb?TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)23.1VVoltage - Breakdown (Min)25.7VVoltage - Clamping (Max) @ Ipp37.5VCurrent - Peak Pulse (10/1000µs)16APower - Peak Pulse600WPower Line ProtectionNoApplications-Capacitance @ Frequency-Operating Temperature65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMBJ)		TVS - Diodes
TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)23.1VVoltage - Breakdown (Min)25.7VVoltage - Clamping (Max) @ Ipp37.5VCurrent - Peak Pulse (10/1000µs)16APower - Peak Pulse600WPower Line ProtectionNoApplications-Capacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMBJ)	Package	DO-214AA, SMB
Image: Antiperformed antiper	Series	Automotive, AEC-Q101, SM6T, TransZorb?
Bidirectional Channels-Bidirectional Channels-Voltage - Reverse Standoff (Typ)23.1V20ltage - Breakdown (Min)25.7VVoltage - Clamping (Max) @ Ipp37.5VCurrent - Peak Pulse (10/1000µs)16APower - Peak Pulse (10/1000µs)600WPower - Peak Pulse600WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMBJ)	Туре	Zener
Notitige - Reverse Standoff (Typ)23.1VVoltage - Breakdown (Min)25.7VVoltage - Clamping (Max) @ Ipp37.5VCurrent - Peak Pulse (10/1000µs)16APower - Peak Pulse (10/1000µs)600WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMBJ)	Unidirectional Channels	1
Voltage - Breakdown (Min)25.7VVoltage - Clamping (Max) @ Ipp37.5VCurrent - Peak Pulse (10/1000µs)16APower - Peak Pulse600WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMBJ)	Bidirectional Channels	-
Voltage - Clamping (Max) @ Ipp37.5VCurrent - Peak Pulse (10/1000µs)16APower - Peak Pulse600WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMBJ)	Voltage - Reverse Standoff (Typ)	23.1V
Current - Peak Pulse (10/1000µs)16APower - Peak Pulse600WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMBJ)	Voltage - Breakdown (Min)	25.7V
Power - Peak Pulse600WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMBJ)	Voltage - Clamping (Max) @ Ipp	37.5V
Power Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMBJ)	Current - Peak Pulse (10/1000µs)	16A
ApplicationsAutomotiveCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMBJ)	Power - Peak Pulse	600W
Capacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMBJ)	Power Line Protection	No
Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMBJ)	Applications	Automotive
Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMBJ)	Capacitance @ Frequency	-
Package / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMBJ)	Operating Temperature	-65°C ~ 150°C (TJ)
Supplier Device Package DO-214AA (SMBJ)	Mounting Type	Surface Mount
	Package / Case	DO-214AA, SMB
Report errors	Supplier Device Package	DO-214AA (SMBJ)
		Report errors?

### SM6T27AHE3/52 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.

#### SM6T27AHE3/52 Payment Methods





If you have any question about SM6T27AHE3/52, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com