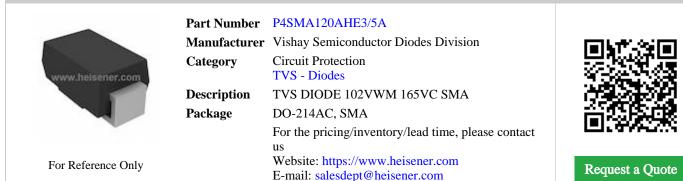


P4SMA120AHE3/5A

P4SMA120AHE3/5A Information



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.



P4SMA120AHE3/5A Specifications

Manufacturer Part Number P4SMA120AHE3/5A Manufacturer Vishay Semiconductor Diodes Division Category Circuit Protection TVS - Diodes TVS - Diodes Package Do-214AC, SMA Series Automotive, AEC-Q101, P4SMA, TransZorb? Type Zener Unidirectional Channels 1 Bidirectional Channels - Voltage - Reverse Standoff (Typ) 102V Voltage - Breakdown (Min) 114V Voltage - Clamping (Max) @ Ipp 165V Current - Peak Pulse (10/1000µs) 18A Power - Line Protection No Automotive Automotive Cipcariting Temperature - Applications Sci ² < 150°C (TJ) Mounting Type Surface Mount Package / Case Do-214AC (SMA		
CategoryCircuit ProtectionTVS - DiodesPackageDo-214AC, SMASeriesAutomotive, AEC-Q101, P4SMA, TransZorb?TypeZenerUnidirectional Channels1Bidirectional Channels.Voltage - Reverse Standoff (Typ)102VVoltage - Reverse Standoff (Typ)165VVoltage - Clamping (Max) @ Ipp165VCurrent - Peak Pulse (10/100µs)1.8APower - Peak Pulse300WPower Line ProtectionNoApplications-Capacitance @ Frequency-Operating Temperature65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDo-214AC (SMA)	Manufacturer Part Number	P4SMA120AHE3/5A
TVS - DiodesPackageDO-214AC, SMASeriesAutomotive, AEC-Q101, P4SMA, TransZorb?TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)102VVoltage - Breakdown (Min)114VVoltage - Clamping (Max) @ Ipp165VCurrent - Peak Pulse (10/1000µs)300WPower - Peak Pulse300WPower Line ProtectionNoApplications-Capacitance @ Frequency-Operating Temperature65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Manufacturer	Vishay Semiconductor Diodes Division
PackageDO-214AC, SMASeriesAutomotive, AEC-Q101, P4SMA, TransZorb?TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)102VVoltage - Breakdown (Min)114VVoltage - Clamping (Max) @ Ipp165VCurrent - Peak Pulse (10/1000µs)300WPower - Peak Pulse300WPower Jene ProtectionNoApplicationsAutomotiveCapacitance @ Frequency-Operating Temperature65°C ~ 150°C (TJ)Mounting TypeDo-214AC, SMASupplier Device PackageDO-214AC (SMA)	Category	Circuit Protection
SeriesAutomotive, AEC-Q101, P4SMA, TransZorb?TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)102VVoltage - Breakdown (Min)114VVoltage - Clamping (Max) @ Ipp165VCurrent - Peak Pulse (10/100µs)300WPower - Peak Pulse300WApplications-Capacitance @ Frequency-Operating Temperature-Operating Temperature-Power Age AgeSurface MountPower Age Age-Operating Temperature-Operating Temperature-Power AgeSurface MountPower Age Age-Operating Temperature-Operating Temperature-Operating Temperature-Dol 214AC, SMA-Supplier Device Package-Operating Package-Operating Package-Operating Package-Operating Temperature-Operature Package-Operature Package-Opera		TVS - Diodes
TypeZenerUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)102VVoltage - Breakdown (Min)114VVoltage - Clamping (Max) @ Ipp165VCurrent - Peak Pulse (10/100µs)1.8APower - Peak Pulse300WPower Line ProtectionNoApplications-Operating Temperature-5°°C ~150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Package	DO-214AC, SMA
AUnidirectional Channels1Bidirectional Channels-Voltage - Reverse Standoff (Typ)102VVoltage - Breakdown (Min)114VVoltage - Clamping (Max) @ Ipp165VCurrent - Peak Pulse (10/1000µs)1.8APower - Peak Pulse300WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency-Operating Temperature65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMANo214AC (SMA)	Series	Automotive, AEC-Q101, P4SMA, TransZorb?
Bidirectional Channels-Voltage - Reverse Standoff (Typ)102VVoltage - Breakdown (Min)114VVoltage - Clamping (Max) @ Ipp165VCurrent - Peak Pulse (10/1000µs)1.8APower - Peak Pulse300WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency-Operating TemperatureSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Туре	Zener
Voltage - Reverse Standoff (Typ)102VVoltage - Breakdown (Min)114VVoltage - Clamping (Max) @ Ipp165VCurrent - Peak Pulse (10/1000µs)1.8APower - Peak Pulse300WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Unidirectional Channels	1
Voltage - Breakdown (Min)114VVoltage - Clamping (Max) @ Ipp165VCurrent - Peak Pulse (10/1000µs)1.8APower - Peak Pulse300WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Bidirectional Channels	-
Voltage - Clamping (Max) @ Ipp165VCurrent - Peak Pulse (10/1000µs)1.8APower - Peak Pulse300WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Voltage - Reverse Standoff (Typ)	102V
Current - Peak Pulse (10/1000µs)1.8APower - Peak Pulse300WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Voltage - Breakdown (Min)	114V
Power - Peak Pulse300WPower Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Voltage - Clamping (Max) @ Ipp	165V
Power Line ProtectionNoApplicationsAutomotiveCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Current - Peak Pulse (10/1000µs)	1.8A
ApplicationsAutomotiveCapacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Power - Peak Pulse	300W
The Capacitance @ Frequency-Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Power Line Protection	No
Operating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Applications	Automotive
Mounting TypeSurface MountPackage / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Capacitance @ Frequency	-
Package / CaseDO-214AC, SMASupplier Device PackageDO-214AC (SMA)	Operating Temperature	-65°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)
1		Report errors?

P4SMA120AHE3/5A 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 BUARANTEE

Service Guarantees

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

P4SMA120AHE3/5A Payment Methods





If you have any question about P4SMA120AHE3/5A, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com