

### SS24/1 Information



For Reference Only

Part Number SS24/1

Manufacturer Vishay Semiconductor Diodes Division

Category Discrete Semiconductor Products

Diodes - Rectifiers - Single

**Description** DIODE SCHOTTKY 40V 2A DO214AA

Package DO-214AA, SMB

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## **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.









## SS24/1 Specifications

| Manufacturer Part NumberSS24/1ManufacturerVishay Semiconductor Diodes DivisionCategoryDiscrete Semiconductor ProductsPackageDO-214AA, SMBSeries-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)40VCurrent - Average Rectified (Io)2AVoltage - Forward (Vf) (Max) @ If500mV @ 2ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr400μA @ 40VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMB)Operating Temperature - Junction-65°C ~ 125°CReport errors? | 5524/1 Specifications             |                                      |
|--|-----------------------------------|--------------------------------------|
| CategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - SinglePackageDO-214AA, SMBSeries-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)40VCurrent - Average Rectified (Io)2AVoltage - Forward (Vf) (Max) @ If500mV @ 2ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr400μA @ 40VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMB)Operating Temperature - Junction-65°C ~ 125°C   | Manufacturer Part Number          | SS24/1                               |
| PackageDiodes - Rectifiers - SinglePackageDO-214AA, SMBSeries-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)40VCurrent - Average Rectified (Io)2AVoltage - Forward (Vf) (Max) @ If500mV @ 2ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr400μA @ 40VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMB)Operating Temperature - Junction-65°C ~ 125°C   | Manufacturer                      | Vishay Semiconductor Diodes Division |
| PackageDO-214AA, SMBSeries-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)40VCurrent - Average Rectified (Io)2AVoltage - Forward (Vf) (Max) @ If500mV @ 2ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr400μA @ 40VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMB)Operating Temperature - Junction-65°C ~ 125°C  | Category                          | Discrete Semiconductor Products      |
| Series - Diode Type Schottky  Voltage - DC Reverse (Vr) (Max) 40V  Current - Average Rectified (Io) 2A  Voltage - Forward (Vf) (Max) @ If 500mV @ 2A  Speed Fast Recovery =< 500ns, > 200mA (Io)  Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr 400μA @ 40V  Capacitance @ Vr, F - Surface Mount  Package / Case DO-214AA, SMB  Supplier Device Package DO-214AA (SMB)  Operating Temperature - Junction -65°C ~ 125°C  |                                   | Diodes - Rectifiers - Single         |
| Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)40VCurrent - Average Rectified (Io)2AVoltage - Forward (Vf) (Max) @ If500mV @ 2ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr400μA @ 40VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMB)Operating Temperature - Junction-65°C ~ 125°C   | Package                           | DO-214AA, SMB                        |
| Voltage - DC Reverse (Vr) (Max)  Current - Average Rectified (Io)  2A  Voltage - Forward (Vf) (Max) @ If  500mV @ 2A  Speed  Fast Recovery =< 500ns, > 200mA (Io)  Reverse Recovery Time (trr)  - Current - Reverse Leakage @ Vr  400μA @ 40V  Capacitance @ Vr, F  Mounting Type  Surface Mount  Package / Case  DO-214AA, SMB  Supplier Device Package  DO-214AA (SMB)  Operating Temperature - Junction  40V  | Series                            | -                                    |
| Current - Average Rectified (Io)2AVoltage - Forward (Vf) (Max) @ If500mV @ 2ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr400μA @ 40VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMB)Operating Temperature - Junction-65°C ~ 125°C   | Diode Type                        | Schottky                             |
| Voltage - Forward (Vf) (Max) @ If500mV @ 2ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr400μA @ 40VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMB)Operating Temperature - Junction-65°C ~ 125°C   | Voltage - DC Reverse (Vr) (Max)   | 40V                                  |
| SpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr400μA @ 40VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMB)Operating Temperature - Junction-65°C ~ 125°C  | Current - Average Rectified (Io)  | 2A                                   |
| Reverse Recovery Time (trr)-Current - Reverse Leakage @ Vr400μA @ 40VCapacitance @ Vr, F-Mounting TypeSurface MountPackage / CaseDO-214AA, SMBSupplier Device PackageDO-214AA (SMB)Operating Temperature - Junction-65°C ~ 125°C   | Voltage - Forward (Vf) (Max) @ If | 500mV @ 2A                           |
| Current - Reverse Leakage @ Vr 400µA @ 40V  Capacitance @ Vr, F -  Mounting Type Surface Mount  Package / Case DO-214AA, SMB  Supplier Device Package DO-214AA (SMB)  Operating Temperature - Junction -65°C ~ 125°C   | Speed                             | Fast Recovery =< 500ns, > 200mA (Io) |
| Capacitance @ Vr, F  Mounting Type Surface Mount  Package / Case DO-214AA, SMB  Supplier Device Package DO-214AA (SMB)  Operating Temperature - Junction -65°C ~ 125°C   | Reverse Recovery Time (trr)       | -                                    |
| Mounting Type Surface Mount Package / Case DO-214AA, SMB Supplier Device Package DO-214AA (SMB) Operating Temperature - Junction -65°C ~ 125°C   | Current - Reverse Leakage @ Vr    | 400μA @ 40V                          |
| Package / Case DO-214AA, SMB  Supplier Device Package DO-214AA (SMB)  Operating Temperature - Junction -65°C ~ 125°C   | Capacitance @ Vr, F               | -                                    |
| Supplier Device Package DO-214AA (SMB)  Operating Temperature - Junction -65°C ~ 125°C   | Mounting Type                     | Surface Mount                        |
| Operating Temperature - Junction -65°C ~ 125°C   | Package / Case                    | DO-214AA, SMB                        |
|  | Supplier Device Package           | DO-214AA (SMB)                       |
| Report errors?   | Operating Temperature - Junction  | -65°C ~ 125°C                        |
|  |                                   | Report errors?                       |

### SS24/1 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.

## SS24/1 Payment Methods



















# SS24/1 Shipping Methods













If you have any question about SS24/1, please do not hesitate to contact us!

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