

# **VS-11DQ05 Information**



For Reference Only

Part Number VS-11DQ05

Manufacturer Vishay Semiconductor Diodes Division

Category Discrete Semiconductor Products
Diodes - Rectifiers - Single

**Description** DIODE SCHOTTKY 50V 1.1A DO204AL

Package DO-204AL, DO-41, Axial

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.









### **VS-11DQ05** Specifications

| Manufacturer Part NumberVS-11DQ05ManufacturerVishay Semiconductor Diodes DivisionCategoryDiscrete Semiconductor ProductsDiodes - Rectifiers - SinglePackageDO-204AL, DO-41, AxialSeries-Diode TypeSchottkyVoltage - DC Reverse (Vr) (Max)50VCurrent - Average Rectified (Io)1.1AVoltage - Forward (Vf) (Max) @ If580mV @ 1ASpeedFast Recovery =< 500ns, > 200mA (Io)Reverse Recovery Time (trr)-Current - Reverse Leakage @ VrImA @ 50VCapacitance @ Vr, F-Mounting TypeThrough HolePackage / CaseDO-204AL, DO-41, AxialSupplier Device PackageDO-204AL (DO-41)Operating Temperature - Junction-40°C ~ 150°C   | 15 112 Que specifications         |                                      |
|--|-----------------------------------|--------------------------------------|
| Category  Discrete Semiconductor Products  Diodes - Rectifiers - Single  DO-204AL, DO-41, Axial  Series  Diode Type  Schottky  Voltage - DC Reverse (Vr) (Max)  Current - Average Rectified (Io)  1.1A  Voltage - Forward (Vf) (Max) @ If  Speed  Fast Recovery = < 500ns, > 200mA (Io)  Reverse Recovery Time (trr)  - Current - Reverse Leakage @ Vr  ImA @ 50V  Capacitance @ Vr, F  Mounting Type  Through Hole  Package / Case  DO-204AL, DO-41, Axial  Supplier Device Package  DO-204AL (DO-41)  Operating Temperature - Junction   | Manufacturer Part Number          | VS-11DQ05                            |
| Package DO-204AL, DO-41, Axial Series - Diode Type Schottky Voltage - DC Reverse (Vr) (Max) 50V Current - Average Rectified (Io) 1.1A Voltage - Forward (Vf) (Max) @ If 580mV @ 1A Speed Fast Recovery =< 500ns, > 200mA (Io) Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr 1mA @ 50V Capacitance @ Vr, F - Mounting Type Through Hole Package / Case DO-204AL, DO-41, Axial Supplier Device Package DO-204AL (DO-41) Operating Temperature - Junction -40°C ~ 150°C  | Manufacturer                      | Vishay Semiconductor Diodes Division |
| Package DO-204AL, DO-41, Axial  Series - Diode Type Schottky  Voltage - DC Reverse (Vr) (Max) 50V  Current - Average Rectified (Io) 1.1A  Voltage - Forward (Vf) (Max) @ If 580mV @ 1A  Speed Fast Recovery =< 500ns, > 200mA (Io)  Reverse Recovery Time (trr) - Current - Reverse Leakage @ Vr ImA @ 50V  Capacitance @ Vr, F - Mounting Type Through Hole  Package / Case DO-204AL, DO-41, Axial  Supplier Device Package DO-204AL (DO-41)  Operating Temperature - Junction -40°C ~ 150°C  | Category                          | Discrete Semiconductor Products      |
| Series - Diode Type Schottky  Voltage - DC Reverse (Vr) (Max) 50V  Current - Average Rectified (Io) 1.1A  Voltage - Forward (Vf) (Max) @ If 580mV @ 1A  Speed Fast Recovery =< 500ns, > 200mA (Io)  Reverse Recovery Time (trr) - ImA @ 50V  Current - Reverse Leakage @ Vr ImA @ 50V  Capacitance @ Vr, F - Mounting Type Through Hole  Package / Case DO-204AL, DO-41, Axial  Supplier Device Package DO-204AL (DO-41)  Operating Temperature - Junction -40°C ~ 150°C   |                                   | Diodes - Rectifiers - Single         |
| Diode Type  Schottky  Voltage - DC Reverse (Vr) (Max)  50V  Current - Average Rectified (Io)  1.1A  Voltage - Forward (Vf) (Max) @ If  Speed  Fast Recovery =< 500ns, > 200mA (Io)  Reverse Recovery Time (trr)  - Current - Reverse Leakage @ Vr  ImA @ 50V  Capacitance @ Vr, F  Mounting Type  Through Hole  Package / Case  DO-204AL, DO-41, Axial  Supplier Device Package  DO-204AL (DO-41)  Operating Temperature - Junction  Schottky  50V  1.1A  580mV @ 1A  580mV @  | Package                           | DO-204AL, DO-41, Axial               |
| Voltage - DC Reverse (Vr) (Max)  Current - Average Rectified (Io)  1.1A  Voltage - Forward (Vf) (Max) @ If  Speed  Fast Recovery = < 500ns, > 200mA (Io)  Reverse Recovery Time (trr)  - Current - Reverse Leakage @ Vr  1mA @ 50V  Capacitance @ Vr, F  Mounting Type  Through Hole  Package / Case  DO-204AL, DO-41, Axial  Supplier Device Package  DO-204AL (DO-41)  Operating Temperature - Junction  50V   | Series                            | -                                    |
| Current - Average Rectified (Io)  1.1A  Voltage - Forward (Vf) (Max) @ If  580mV @ 1A  Speed  Fast Recovery =< 500ns, > 200mA (Io)  Reverse Recovery Time (trr)  -  Current - Reverse Leakage @ Vr  Capacitance @ Vr, F  Mounting Type  Through Hole  Package / Case  DO-204AL, DO-41, Axial  Supplier Device Package  DO-204AL (DO-41)  Operating Temperature - Junction  1.1A  1.1 | Diode Type                        | Schottky                             |
| Voltage - Forward (Vf) (Max) @ If  Speed  Fast Recovery =< 500ns, > 200mA (Io)  Reverse Recovery Time (trr)  - Current - Reverse Leakage @ Vr  ImA @ 50V  Capacitance @ Vr, F  Mounting Type  Through Hole  Package / Case  DO-204AL, DO-41, Axial  Supplier Device Package  DO-204AL (DO-41)  Operating Temperature - Junction  580mV @ 1A  580mV @ 14  580mV @ 1A  580mV @ 14  580mV @ 1A  580mV @ 1 | Voltage - DC Reverse (Vr) (Max)   | 50V                                  |
| Speed Fast Recovery =< 500ns, > 200mA (Io)  Reverse Recovery Time (trr)  Current - Reverse Leakage @ Vr  Capacitance @ Vr, F  Mounting Type  Through Hole  Package / Case  DO-204AL, DO-41, Axial  Supplier Device Package  DO-204AL (DO-41)  Operating Temperature - Junction  Fast Recovery =< 500ns, > 200mA (Io)  - Time (trr)   | Current - Average Rectified (Io)  | 1.1A                                 |
| Reverse Recovery Time (trr)  Current - Reverse Leakage @ Vr  ImA @ 50V  Capacitance @ Vr, F  Mounting Type  Through Hole  Package / Case  DO-204AL, DO-41, Axial  Supplier Device Package  DO-204AL (DO-41)  Operating Temperature - Junction  -40°C ~ 150°C   | Voltage - Forward (Vf) (Max) @ If | 580mV @ 1A                           |
| Current - Reverse Leakage @ Vr  Capacitance @ Vr, F  Mounting Type  Through Hole  Package / Case  DO-204AL, DO-41, Axial  Supplier Device Package  DO-204AL (DO-41)  Operating Temperature - Junction  1mA @ 50V  -40°C ~ 150°C  | Speed                             | Fast Recovery =< 500ns, > 200mA (Io) |
| Capacitance @ Vr, F  Mounting Type  Through Hole  Package / Case  DO-204AL, DO-41, Axial  Supplier Device Package  DO-204AL (DO-41)  Operating Temperature - Junction  -40°C ~ 150°C   | Reverse Recovery Time (trr)       | -                                    |
| Mounting Type Through Hole Package / Case DO-204AL, DO-41, Axial Supplier Device Package DO-204AL (DO-41) Operating Temperature - Junction -40°C ~ 150°C   | Current - Reverse Leakage @ Vr    | 1mA @ 50V                            |
| Package / Case DO-204AL, DO-41, Axial Supplier Device Package DO-204AL (DO-41) Operating Temperature - Junction -40°C ~ 150°C  | Capacitance @ Vr, F               | -                                    |
| Supplier Device Package DO-204AL (DO-41)  Operating Temperature - Junction -40°C ~ 150°C   | Mounting Type                     | Through Hole                         |
| Operating Temperature - Junction $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$  | Package / Case                    | DO-204AL, DO-41, Axial               |
|  | Supplier Device Package           | DO-204AL (DO-41)                     |
| Report errors?   | Operating Temperature - Junction  | -40°C ~ 150°C                        |
|  |                                   | Report errors?                       |

### **VS-11DQ05** 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.

### **VS-11DQ05 Payment Methods**



















## **VS-11DQ05 Shipping Methods**













If you have any question about VS-11DQ05, please do not hesitate to contact us!

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