



DG333ADW Information



For Reference Only

Part Number DG333ADW Manufacturer Vishay Siliconix

Category Integrated Circuits (ICs)

Interface - Analog Switches, Multiplexers,

Demultiplexers

Description IC SWITCH QUAD SPDT 20SOIC **Package** 20-SOIC (0.295", 7.50mm Width)

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

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DG333ADW Specifications

| Manufacturer Part Number DG333ADW Manufacturer Vishay Siliconix Category Integrated Circuits (ICs) Interface - Analog Switches, Multiplexers, Demultiplexers Package 20-SOIC (0.295", 7.50mm Width) Series - Switch Circuit SPDT Multiplexer/Demultiplexer Circuit 2:1 Number of Circuits 1 On-State Resistance (Max) 45 Ohm Channel-to-Channel Matching (Ron) 2 Ohm (Max) Voltage - Supply, Single (V+) 5 V ~ 40 V Voltage - Supply, Dual (V±) ±4 V ~ 22 V Switch Time (Ton, Toff) (Max) 175ns, 145ns -3db Bandwidth - Charge Injection 10pC Channel Capacitance (CS(off), CD(off)) 8pF Current - Leakage (IS(off)) (Max) 250pA Crosstalk -80dB @ IMHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC | • | |
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| Multiplexer/Demultiplexer Circuit Number of Circuits 1 On-State Resistance (Max) Channel-to-Channel Matching (Ron) Voltage - Supply, Single (V+) Voltage - Supply, Dual (V±) Switch Time (Ton, Toff) (Max) -3db Bandwidth - Channel Capacitance (CS(off), CD(off)) Channel Capacitance (CS(off)) (Max) Crosstalk -80dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package | Series | - |
| Number of Circuits On-State Resistance (Max) Channel-to-Channel Matching (Ron) Voltage - Supply, Single (V+) Voltage - Supply, Dual (V±) Switch Time (Ton, Toff) (Max) -3db Bandwidth Charge Injection Channel Capacitance (CS(off), CD(off)) Channel Capacitance (CS(off)) Current - Leakage (IS(off)) (Max) Crosstalk -80dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package | Switch Circuit | SPDT |
| On-State Resistance (Max) Channel-to-Channel Matching (Ron) 2 Ohm (Max) Voltage - Supply, Single (V+) 5 V ~ 40 V Voltage - Supply, Dual (V±) 5 witch Time (Ton, Toff) (Max) 175ns, 145ns -3db Bandwidth - Charge Injection 10pC Channel Capacitance (CS(off), CD(off)) 8pF Current - Leakage (IS(off)) (Max) 250pA Crosstalk -80dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package | Multiplexer/Demultiplexer Circuit | 2:1 |
| Channel-to-Channel Matching (Ron) Voltage - Supply, Single (V+) 5 V ~ 40 V Voltage - Supply, Dual (V±) 5 W ~ 22 V Switch Time (Ton, Toff) (Max) -3db Bandwidth - Charge Injection Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) Crosstalk -80dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package | Number of Circuits | 1 |
| Voltage - Supply, Single (V+) $5 \text{ V} \sim 40 \text{ V}$ Voltage - Supply, Dual (V±) $\pm 4 \text{ V} \sim 22 \text{ V}$ Switch Time (Ton, Toff) (Max) 175ns , 145ns -3db Bandwidth - Charge Injection 10pC Channel Capacitance (CS(off), CD(off)) 8pF Current - Leakage (IS(off)) (Max) 250pA Crosstalk -80dB @ 1MHz Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package | On-State Resistance (Max) | 45 Ohm |
| Voltage - Supply, Dual (V±) ±4 V ~ 22 V Switch Time (Ton, Toff) (Max) 175ns, 145ns -3db Bandwidth - Charge Injection 10pC Channel Capacitance (CS(off), CD(off)) 8pF Current - Leakage (IS(off)) (Max) 250pA Crosstalk -80dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC | Channel-to-Channel Matching (Ron) | 2 Ohm (Max) |
| Switch Time (Ton, Toff) (Max) -3db Bandwidth -Charge Injection 10pC Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) Crosstalk -80dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package | Voltage - Supply, Single (V+) | 5 V ~ 40 V |
| -3db Bandwidth - 10pC Charge Injection 10pC Channel Capacitance (CS(off), CD(off)) 8pF Current - Leakage (IS(off)) (Max) 250pA Crosstalk -80dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC | Voltage - Supply, Dual (V±) | ±4 V ~ 22 V |
| Charge Injection 10pC Channel Capacitance (CS(off), CD(off)) 8pF Current - Leakage (IS(off)) (Max) 250pA Crosstalk -80dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC | Switch Time (Ton, Toff) (Max) | 175ns, 145ns |
| Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) Crosstalk Operating Temperature -40°C ~ 85°C (TA) Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package | -3db Bandwidth | - |
| Current - Leakage (IS(off)) (Max) Crosstalk Operating Temperature -40°C ~ 85°C (TA) Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package | Charge Injection | 10pC |
| Crosstalk -80dB @ 1MHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC | Channel Capacitance (CS(off), CD(off)) | 8pF |
| Operating Temperature -40°C ~ 85°C (TA) Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC | Current - Leakage (IS(off)) (Max) | 250pA |
| Package / Case 20-SOIC (0.295", 7.50mm Width) Supplier Device Package 20-SOIC | Crosstalk | -80dB @ 1MHz |
| Supplier Device Package 20-SOIC | Operating Temperature | -40°C ~ 85°C (TA) |
| | Package / Case | 20-SOIC (0.295", 7.50mm Width) |
| Report errors? | Supplier Device Package | 20-SOIC |
| | | Report errors? |

DG333ADW 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.

DG333ADW Payment Methods



















DG333ADW Shipping Methods













If you have any question about DG333ADW, please do not hesitate to contact us!

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