

DG212ETE+ Information



For Reference Only

Part Number DG212ETE+
Manufacturer Maxim Integrated
Category Integrated Circuits (ICs)

Interface - Analog Switches, Multiplexers,

Demultiplexers

Description IC SWITCH QUAD SPST 16TQFN

Package 16-WQFN Exposed Pad

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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DG212ETE+ Specifications

Manufacturer Part Number DG212ETE+ Manufacturer Maxim Integrated Category Integrated Circuits (ICs) Interface - Analog Switches, Multiplexers, Demultiplexers Package 16-WQFN Exposed Pad Series - Switch Circuit SPST - NO Multiplexer/Demultiplexer Circuit 1:1 Number of Circuits 4 On-State Resistance (Max) 175 Ohm Channel-to-Channel Matching (Ron) - Voltage - Supply, Single (V+) - Voltage - Supply, Dual (V±) ±4.5 V ~ 18 V Switch Time (Ton, Toff) (Max) 1µs, 500ns -3db Bandwidth - Charge Injection - Channel Capacitance (CS(off), CD(off)) 5pF, 5pF Current - Leakage (IS(off)) (Max) 5nA Crosstalk -90dB @ 100kHz Operating Temperature -40°C ~ 85°C (TA) Package / Case 16-WOFN Exposed Pad	•	
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Series - Switch Circuit SPST - NO Multiplexer/Demultiplexer Circuit 1:1 Number of Circuits 4 On-State Resistance (Max) 175 Ohm Channel-to-Channel Matching (Ron) - Voltage - Supply, Single (V+) - Voltage - Supply, Dual (V±) ±4.5 V ~ 18 V Switch Time (Ton, Toff) (Max) 1µs, 500ns -3db Bandwidth - Charge Injection - Channel Capacitance (CS(off), CD(off)) 5pF, 5pF Current - Leakage (IS(off)) (Max) 5nA Crosstalk -90dB @ 100kHz Operating Temperature -40°C ~ 85°C (TA)		Interface - Analog Switches, Multiplexers, Demultiplexers
Switch Circuit SPST - NO Multiplexer/Demultiplexer Circuit 1:1 Number of Circuits 4 On-State Resistance (Max) 175 Ohm Channel-to-Channel Matching (Ron) - Voltage - Supply, Single (V+) - Voltage - Supply, Dual (V±) ±4.5 V ~ 18 V Switch Time (Ton, Toff) (Max) 1μs, 500ns -3db Bandwidth - Charge Injection - Channel Capacitance (CS(off), CD(off)) 5pF, 5pF Current - Leakage (IS(off)) (Max) 5nA Crosstalk -90dB @ 100kHz Operating Temperature -40°C ~ 85°C (TA)	Package	16-WQFN Exposed Pad
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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 Charge Injection Channel Capacitance (CS(off), CD(off)) SpF, 5pF Current - Leakage (IS(off)) (Max) Crosstalk Operating Temperature 175 Ohm - 175 O	Multiplexer/Demultiplexer Circuit	1:1
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)) Current - Leakage (IS(off)) (Max) Crosstalk Operating Temperature -40°C ~ 85°C (TA)	Number of Circuits	4
Voltage - Supply, Single (V+) - $\pm 4.5 \text{ V} \sim 18 \text{ V}$ Switch Time (Ton, Toff) (Max) 1µs, 500ns -3db Bandwidth - Charge Injection - Channel Capacitance (CS(off), CD(off)) 5pF, 5pF Current - Leakage (IS(off)) (Max) 5nA Crosstalk -90dB @ 100kHz Operating Temperature -40°C ~ 85 °C (TA)	On-State Resistance (Max)	175 Ohm
Voltage - Supply, Dual (V \pm) $\pm 4.5 \text{ V} \sim 18 \text{ V}$ Switch Time (Ton, Toff) (Max) $1 \mu s$, 500ns -3db Bandwidth - Charge Injection - Channel Capacitance (CS(off), CD(off)) $5 pF$, $5 pF$ Current - Leakage (IS(off)) (Max) $5 nA$ Crosstalk -90dB @ 100kHz Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)	Channel-to-Channel Matching (Ron)	-
Switch Time (Ton, Toff) (Max) -3db Bandwidth -Charge Injection Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) Crosstalk Operating Temperature 1 µs, 500ns - 5 pF, 5pF 5 pF 5 nA Crosstalk -90dB @ 100kHz -40°C ~ 85°C (TA)	Voltage - Supply, Single (V+)	-
-3db Bandwidth - Charge Injection - Channel Capacitance (CS(off), CD(off)) 5pF, 5pF Current - Leakage (IS(off)) (Max) 5nA Crosstalk -90dB @ 100kHz Operating Temperature -40°C ~ 85°C (TA)	Voltage - Supply, Dual (V±)	$\pm 4.5 \text{ V} \sim 18 \text{ V}$
Charge Injection - Channel Capacitance (CS(off), CD(off)) 5pF, 5pF Current - Leakage (IS(off)) (Max) 5nA Crosstalk -90dB @ 100kHz Operating Temperature -40°C ~ 85°C (TA)	Switch Time (Ton, Toff) (Max)	1μs, 500ns
Channel Capacitance (CS(off), CD(off)) Current - Leakage (IS(off)) (Max) Crosstalk Operating Temperature 5pF, 5pF 5nA -90dB @ 100kHz -40°C ~ 85°C (TA)	-3db Bandwidth	-
Current - Leakage (IS(off)) (Max) 5nA Crosstalk -90dB @ 100kHz Operating Temperature -40°C ~ 85°C (TA)	Charge Injection	-
Crosstalk $-90 dB @ 100 kHz$ Operating Temperature $-40 ^{\circ}C \sim 85 ^{\circ}C (TA)$	Channel Capacitance (CS(off), CD(off))	5pF, 5pF
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$	Current - Leakage (IS(off)) (Max)	5nA
	Crosstalk	-90dB @ 100kHz
Package / Case 16-WOFN Exposed Pad	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$
	Package / Case	16-WQFN Exposed Pad
Supplier Device Package 16-TQFN (5x5)	Supplier Device Package	16-TQFN (5x5)
Report errors?		Report errors?

DG212ETE+ 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.

DG212ETE+ Payment Methods



















DG212ETE+ Shipping Methods













If you have any question about DG212ETE+, please do not hesitate to contact us!

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