



MC74HC00AF Information



For Reference Only

Part Number MC74HC00AF

Manufacturer ON Semiconductor

Category Integrated Circuits (ICs)
Logic - Gates and Inverters

Description IC GATE NAND 4CH 2-INP 14-SOEIAJ

Package 14-SOIC (0.209", 5.30mm Width)

For the pricing/inventory/lead time, please contact

us

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



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MC74HC00AF Specifications

Manufacturer MC74HC00AF Manufacturer ON Semiconductor Category Integrated Circuits (ICs) Logic - Gates and Inverters Package 14-SOIC (0.209", 5.30mm Width) Series 74HC Logic Type NAND Gate Number of Circuits 4 Number of Inputs 2 Features - Voltage - Supply 2 V ~ 6 V Current - Quiescent (Max) 1μA Current - Output High, Low 5.2mA, 5.2mA Logic Level - Low 0.5 V ~ 1.8 V Logic Level - High 1.5 V ~ 4.2 V Max Propagation Delay @ V, Max CL 13ns @ 6V, 50pF Operating Temperature -55°C ~ 125°C Mounting Type Surface Mount Supplier Device Package SOEIAJ-14 Package / Case 14-SOIC (0.209", 5.30mm Width)		
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Series74HCLogic TypeNAND GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply2 V ~ 6 VCurrent - Quiescent (Max)1μACurrent - Output High, Low5.2mA, 5.2mALogic Level - Low0.5 V ~ 1.8 VLogic Level - High1.5 V ~ 4.2 VMax Propagation Delay @ V, Max CL13ns @ 6V, 50pFOperating Temperature-55°C ~ 125°CMounting TypeSurface MountSupplier Device PackageSOEIAJ-14Package / Case14-SOIC (0.209", 5.30mm Width)		Logic - Gates and Inverters
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Number of Inputs 2 Features - Voltage - Supply 2 $V \sim 6 V$ Current - Quiescent (Max) 1 μ A Current - Output High, Low 5.2mA, 5.2mA Logic Level - Low 0.5 $V \sim 1.8 V$ Logic Level - High 1.5 $V \sim 4.2 V$ Max Propagation Delay @ V , Max CL 13ns @ $V \sim 1.8 V$ Operating Temperature -55°C ~ 125 °C Mounting Type Surface Mount Supplier Device Package SOEIAJ-14 Package / Case 14-SOIC (0.209", 5.30mm Width)	Logic Type	NAND Gate
Features-Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $1 \mu A$ Current - Output High, Low $5.2 \text{mA}, 5.2 \text{mA}$ Logic Level - Low $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $13 \text{ns} \otimes 6 \text{ V}, 50 \text{pF}$ Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device PackageSOEIAJ-14Package / Case $14-\text{SOIC} (0.209^{\circ}, 5.30 \text{mm Width})$	Number of Circuits	4
Voltage - Supply $2\ V \sim 6\ V$ Current - Quiescent (Max) $1\mu A$ Current - Output High, Low $5.2mA, 5.2mA$ $Logic\ Level - Low \\ 0.5\ V \sim 1.8\ V$ $Logic\ Level - High \\ 1.5\ V \sim 4.2\ V$ Max Propagation Delay @ V, Max CL $13ns\ @ 6V, 50pF$ Operating Temperature $-55^{\circ}C \sim 125^{\circ}C$ Mounting Type $Surface\ Mount$ Supplier Device Package $SOEIAJ-14$ $Package\ / Case$ $14-SOIC\ (0.209'', 5.30mm\ Width)$	Number of Inputs	2
Current - Quiescent (Max) $1\mu A$ Current - Output High, Low $5.2mA, 5.2mA$ Logic Level - Low $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $13ns @ 6V, 50pF$ Operating Temperature $-55^{\circ}C \sim 125^{\circ}C$ Mounting Type $Surface Mount$ Supplier Device Package $SOEIAJ-14$ Package / Case $14-SOIC (0.209'', 5.30mm Width)$	Features	-
Current - Output High, Low 5.2mA, 5.2mA Logic Level - Low 0.5 V ~ 1.8 V Logic Level - High 1.5 V ~ 4.2 V Max Propagation Delay @ V, Max CL 13ns @ 6V, 50pF Operating Temperature -55°C ~ 125°C Mounting Type Surface Mount Supplier Device Package SOEIAJ-14 Package / Case 14-SOIC (0.209", 5.30mm Width)	Voltage - Supply	2 V ~ 6 V
Logic Level - Low $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - High $1.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL 13ns @ 6V, 50pF Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device PackageSOEIAJ-14Package / Case 14-SOIC (0.209° , 5.30mm Width)	Current - Quiescent (Max)	1μA
Logic Level - High 1.5 V ~ 4.2 V Max Propagation Delay @ V, Max CL 13ns @ 6V, 50pF Operating Temperature -55°C ~ 125°C Mounting Type Surface Mount Supplier Device Package SOEIAJ-14 Package / Case 14-SOIC (0.209", 5.30mm Width)	Current - Output High, Low	5.2mA, 5.2mA
Max Propagation Delay @ V, Max CL 13ns @ 6V, 50pF Operating Temperature -55°C ~ 125°C Mounting Type Surface Mount Supplier Device Package SOEIAJ-14 Package / Case 14-SOIC (0.209", 5.30mm Width)	Logic Level - Low	0.5 V ~ 1.8 V
Operating Temperature -55°C ~ 125°C Mounting Type Surface Mount Supplier Device Package SOEIAJ-14 Package / Case 14-SOIC (0.209", 5.30mm Width)	Logic Level - High	1.5 V ~ 4.2 V
Mounting Type Surface Mount Supplier Device Package SOEIAJ-14 Package / Case 14-SOIC (0.209", 5.30mm Width)	Max Propagation Delay @ V, Max CL	13ns @ 6V, 50pF
Supplier Device Package SOEIAJ-14 Package / Case SOEIAJ-14 14-SOIC (0.209", 5.30mm Width)	Operating Temperature	-55°C ~ 125°C
Package / Case 14-SOIC (0.209", 5.30mm Width)	Mounting Type	Surface Mount
	Supplier Device Package	SOEIAJ-14
Report errors?	Package / Case	14-SOIC (0.209", 5.30mm Width)
Report circle.		Report errors?

MC74HC00AF 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.

MC74HC00AF Payment Methods





















MC74HC00AF Shipping Methods













If you have any question about MC74HC00AF, please do not hesitate to contact us!

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