



MC74HC574AF Information



For Reference Only

Part Number MC74HC574AF

Manufacturer ON Semiconductor

Category Integrated Circuits (ICs)
Logic - Flip Flops

LOGIC - Flip Flops
IC D-TYPE POS TRG SNGL 20SOEIAJ

Package 20-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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Description









MC74HC574AF Specifications

Manufacturer Part Number MC74HC574AF Manufacturer ON Semiconductor Category Integrated Circuits (ICs) Logic - Flip Flops Package 20-SOIC (0.209", 5.30mm Width) Series 74HC Function Standard Type D-Type Output Type Tri-State, Non-Inverted Number of Elements 1 Number of Bits per Element 8 Clock Frequency 35MHz Max Propagation Delay @ V, Max CL 27ns @ 6V, 50pF Trigger Type Positive Edge Current - Output High, Low 7.8mA, 7.8mA Voltage - Supply 2 V ~ 6 V Current - Quiescent (Iq) 4μA Input Capacitance 10pF Operating Temperature -55°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 20-SOIC (0.209", 5.30mm Width)	•	
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Series $74HC$ FunctionStandardTypeD-TypeOutput TypeTri-State, Non-InvertedNumber of Elements1Number of Bits per Element8Clock Frequency $35MHz$ Max Propagation Delay @ V, Max CL $27ns @ 6V, 50pF$ Trigger TypePositive EdgeCurrent - Output High, Low $7.8mA, 7.8mA$ Voltage - Supply $2 V \sim 6 V$ Current - Quiescent (Iq) $4\mu A$ Input Capacitance $10pF$ Operating Temperature $-55^{\circ}C \sim 125^{\circ}C$ (TA)Mounting TypeSurface MountPackage / Case $20-SOIC (0.209^{\circ}, 5.30mm Width)$		Logic - Flip Flops
Function Standard D-Type D-Type Output Type Tri-State, Non-Inverted Tri-State, Non-Inverted Number of Elements 1 1 Number of Bits per Element 8 8 Clock Frequency 35MHz Max Propagation Delay @ V, Max CL 27ns @ 6V, 50pF Trigger Type Positive Edge Current - Output High, Low 7.8mA, 7.8mA Voltage - Supply 2 $V \sim 6V$ Current - Quiescent (Iq) 4 μ A Input Capacitance 10pF Operating Temperature -55°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 20-SOIC (0.209", 5.30mm Width)	Package	20-SOIC (0.209", 5.30mm Width)
TypeD-TypeOutput TypeTri-State, Non-InvertedNumber of Elements1Number of Bits per Element8Clock Frequency 35MHz Max Propagation Delay @ V, Max CL 27ns @ 6V , 50pF Trigger TypePositive EdgeCurrent - Output High, Low 7.8mA , 7.8mA Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Iq) $4\mu\text{A}$ Input Capacitance 10pF Operating Temperature $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)Mounting TypeSurface MountPackage / Case $20\text{-SOIC }(0.209^{\circ}, 5.30\text{mm Width})$	Series	74HC
Output Type Number of Elements 1 Number of Bits per Element 8 Clock Frequency 35MHz Max Propagation Delay @ V, Max CL Trigger Type Positive Edge Current - Output High, Low 7.8mA, 7.8mA Voltage - Supply 2 V ~ 6 V Current - Quiescent (Iq) Input Capacitance 10pF Operating Temperature -55°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case Tri-State, Non-Inverted 1 10 Surface Mount Surface Mount Package / Case 20-SOIC (0.209", 5.30mm Width)	Function	Standard
Number of Elements1Number of Bits per Element8Clock Frequency35MHzMax Propagation Delay @ V, Max CL27ns @ 6V, 50pFTrigger TypePositive EdgeCurrent - Output High, Low7.8mA, 7.8mAVoltage - Supply2 V ~ 6 VCurrent - Quiescent (Iq)4μAInput Capacitance10pFOperating Temperature-55°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-SOIC (0.209", 5.30mm Width)	Type	D-Type
Number of Bits per Element Clock Frequency 35MHz Max Propagation Delay @ V, Max CL Trigger Type Positive Edge Current - Output High, Low 7.8mA, 7.8mA Voltage - Supply 2 V ~ 6 V Current - Quiescent (Iq) Input Capacitance Operating Temperature -55°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 8 27ns @ 6V, 50pF Positive Edge 7.8mA, 7.8mA 1.8mA 1.8mA 1.8mA 1.8mA 1.8mA 1.8mA 1.8mA 1.8mA 2 V ~ 6 V 2 V ~ 6 V 2 V ~ 6 V 2 V ~ 6 V 2 V ~ 6 V 4 V (Table Mounting Type 1.8ma 2.9ma 2.9ma	Output Type	Tri-State, Non-Inverted
Clock Frequency35MHzMax Propagation Delay @ V, Max CL27ns @ 6V, 50pFTrigger TypePositive EdgeCurrent - Output High, Low7.8mA, 7.8mAVoltage - Supply2 V ~ 6 VCurrent - Quiescent (Iq)4μAInput Capacitance10pFOperating Temperature-55°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-SOIC (0.209", 5.30mm Width)	Number of Elements	1
Max Propagation Delay @ V, Max CL27ns @ 6V, 50pFTrigger TypePositive EdgeCurrent - Output High, Low7.8mA, 7.8mAVoltage - Supply2 V ~ 6 VCurrent - Quiescent (Iq)4μAInput Capacitance10pFOperating Temperature-55°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case20-SOIC (0.209", 5.30mm Width)	Number of Bits per Element	8
Trigger Type Positive Edge Current - Output High, Low 7.8mA, 7.8mA Voltage - Supply 2 V ~ 6 V Current - Quiescent (Iq) 4 μ A Input Capacitance 10pF Operating Temperature -55°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 20-SOIC (0.209", 5.30mm Width)	Clock Frequency	35MHz
Current - Output High, Low 7.8mA, 7.8mA Voltage - Supply 2 $V \sim 6 V$ Current - Quiescent (Iq) 4 μ A Input Capacitance 10pF Operating Temperature -55°C ~ 125 °C (TA) Mounting Type Surface Mount Package / Case 20-SOIC (0.209", 5.30mm Width)	Max Propagation Delay @ V, Max CL	27ns @ 6V, 50pF
Voltage - Supply $2\ V \sim 6\ V$ Current - Quiescent (Iq) $4\mu A$ Input Capacitance $10pF$ Operating Temperature $-55^{\circ}C \sim 125^{\circ}C\ (TA)$ Mounting Type $Surface\ Mount$ Package / Case $20\text{-SOIC } (0.209", 5.30\text{mm Width})$	Trigger Type	Positive Edge
Current - Quiescent (Iq) $4\mu A$ Input Capacitance $10pF$ Operating Temperature $-55^{\circ}C \sim 125^{\circ}C$ (TA) Mounting Type Surface Mount Package / Case 20 -SOIC (0.209", 5.30mm Width)	Current - Output High, Low	7.8mA, 7.8mA
Input Capacitance $10pF$ Operating Temperature $-55^{\circ}C \sim 125^{\circ}C$ (TA)Mounting TypeSurface MountPackage / Case 20-SOIC (0.209", 5.30mm Width)	Voltage - Supply	2 V ~ 6 V
Operating Temperature -55°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case 20-SOIC (0.209", 5.30mm Width)	Current - Quiescent (Iq)	4μA
Mounting Type Surface Mount Package / Case 20-SOIC (0.209", 5.30mm Width)	Input Capacitance	10pF
Package / Case 20-SOIC (0.209", 5.30mm Width)	Operating Temperature	-55°C ~ 125°C (TA)
	Mounting Type	Surface Mount
Report errors?	Package / Case	20-SOIC (0.209", 5.30mm Width)
		Report errors?

MC74HC574AF 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.

MC74HC574AF Payment Methods



















MC74HC574AF Shipping Methods













If you have any question about MC74HC574AF, please do not hesitate to contact us!

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