

### **74AC20SJ Information**

www.heisener.com

For Reference Only

Part Number 74AC20SJ

Manufacturer ON Semiconductor

Category Integrated Circuits (ICs)
Logic - Gates and Inverters

**Description**IC GATE NAND 2CH 4-INP 14SOP**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



Request a Quote

### **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.









# 74AC20SJ Specifications

Manufacturer         74AC20SJ           Manufacturer         ON Semiconductor           Category         Integrated Circuits (ICs)           Logic - Gates and Inverters           Package         14-SOIC (0.209", 5.30mm Width)           Series         74AC           Logic Type         NAND Gate           Number of Circuits         2           Number of Inputs         4           Features         -           Voltage - Supply         2 V ~ 6 V           Current - Quiescent (Max)         2μA           Current - Output High, Low         24mA, 24mA           Logic Level - Low         0.9 V ~ 1.65 V           Logic Level - High         2.1 V ~ 3.85 V           Max Propagation Delay @ V, Max CL         7ns @ 5V, 50pF           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Supplier Device Package         14-SOP           Package / Case         14-SOIC (0.209", 5.30mm Width)		
Category         Integrated Circuits (ICs)           Logic - Gates and Inverters           Package         14-SOIC (0.209", 5.30mm Width)           Series         74AC           Logic Type         NAND Gate           Number of Circuits         2           Number of Inputs         4           Features         -           Voltage - Supply         2 V ~ 6 V           Current - Quiescent (Max)         2μA           Current - Output High, Low         24mA, 24mA           Logic Level - Low         0.9 V ~ 1.65 V           Logic Level - High         2.1 V ~ 3.85 V           Max Propagation Delay @ V, Max CL         7ns @ 5V, 50pF           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Supplier Device Package         14-SOP	Manufacturer Part Number	74AC20SJ
PackageLogic - Gates and InvertersPackage $14\text{-SOIC}$ (0.209", 5.30mm Width)Series $74\text{AC}$ Logic TypeNAND GateNumber of Circuits2Number of Inputs $4$ Features-Voltage - Supply $2\text{ V} \sim 6\text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ Current - Output High, Low $24\text{mA}$ , $24\text{mA}$ Logic Level - Low $0.9\text{ V} \sim 1.65\text{ V}$ Logic Level - High $2.1\text{ V} \sim 3.85\text{ V}$ Max Propagation Delay @ V, Max CL $7\text{ns}$ @ $5\text{V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-SOP}$	Manufacturer	ON Semiconductor
Package       14-SOIC (0.209", 5.30mm Width)         Series       74AC         Logic Type       NAND Gate         Number of Circuits       2         Number of Inputs       4         Features       -         Voltage - Supply       2 V ~ 6 V         Current - Quiescent (Max)       2μA         Current - Output High, Low       24mA, 24mA         Logic Level - Low       0.9 V ~ 1.65 V         Logic Level - High       2.1 V ~ 3.85 V         Max Propagation Delay @ V, Max CL       7ns @ 5V, 50pF         Operating Temperature       -40°C ~ 85°C         Mounting Type       Surface Mount         Supplier Device Package       14-SOP	Category	Integrated Circuits (ICs)
Series $74AC$ Logic TypeNAND GateNumber of Circuits2Number of Inputs4Features-Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $2\mu A$ Current - Output High, Low $24\text{mA}$ , $24\text{mA}$ Logic Level - Low $0.9 \text{ V} \sim 1.65 \text{ V}$ Logic Level - High $2.1 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL $7\text{ns}$ @ 5V, $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-SOP}$		Logic - Gates and Inverters
Logic TypeNAND GateNumber of Circuits2Number of Inputs4Features-Voltage - Supply2 V ~ 6 VCurrent - Quiescent (Max)2μACurrent - Output High, Low24mA, 24mALogic Level - Low0.9 V ~ 1.65 VLogic Level - High2.1 V ~ 3.85 VMax Propagation Delay @ V, Max CL7ns @ 5V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-SOP	Package	14-SOIC (0.209", 5.30mm Width)
Number of Circuits2Number of Inputs4Features-Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ Current - Output High, Low $24\text{mA}$ , $24\text{mA}$ Logic Level - Low $0.9 \text{ V} \sim 1.65 \text{ V}$ Logic Level - High $2.1 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL $7\text{ns } \text{@ 5V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-SOP}$	Series	74AC
Number of Inputs4Features-Voltage - Supply2 V ~ 6 VCurrent - Quiescent (Max)2μACurrent - Output High, Low24mA, 24mALogic Level - Low0.9 V ~ 1.65 VLogic Level - High2.1 V ~ 3.85 VMax Propagation Delay @ V, Max CL7ns @ 5V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-SOP	Logic Type	NAND Gate
Features $ \begin{array}{ccccccccccccccccccccccccccccccccccc$	Number of Circuits	2
Voltage - Supply $2\ V \sim 6\ V$ $Current - Quiescent (Max) \\ Current - Output High, Low \\ 24mA, 24mA \\ Logic Level - Low \\ 0.9\ V \sim 1.65\ V$ $Logic Level - High \\ Max\ Propagation\ Delay\ @\ V,\ Max\ CL \\ 7ns\ @\ 5V,\ 50pF \\ Operating\ Temperature \\ -40^{\circ}C \sim 85^{\circ}C \\ Mounting\ Type \\ Surface\ Mount \\ Supplier\ Device\ Package$	Number of Inputs	4
Current - Quiescent (Max) $2\mu A$ Current - Output High, Low $24mA$ , $24mA$ Logic Level - Low $0.9 \text{ V} \sim 1.65 \text{ V}$ Logic Level - High $2.1 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL $7ns \otimes 5V$ , $50pF$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ Mounting Type Surface Mount Supplier Device Package $14\text{-SOP}$	Features	-
Current - Output High, Low $24\text{mA}$ , $24\text{mA}$ Logic Level - Low $0.9 \text{ V} \sim 1.65 \text{ V}$ Logic Level - High $2.1 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL $7\text{ns @ 5V, 50pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-SOP}$	Voltage - Supply	2 V ~ 6 V
Logic Level - Low $0.9 \text{ V} \sim 1.65 \text{ V}$ Logic Level - High $2.1 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL $7\text{ns } @ 5\text{V}, 50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-SOP}$	Current - Quiescent (Max)	2μΑ
Logic Level - High  2.1 V ~ 3.85 V  Max Propagation Delay @ V, Max CL  7ns @ 5V, 50pF  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Supplier Device Package  14-SOP	Current - Output High, Low	24mA, 24mA
Max Propagation Delay @ V, Max CL7ns @ 5V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-SOP	Logic Level - Low	0.9 V ~ 1.65 V
Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Supplier Device Package  14-SOP	Logic Level - High	2.1 V ~ 3.85 V
Mounting Type Surface Mount Supplier Device Package 14-SOP	Max Propagation Delay @ V, Max CL	7ns @ 5V, 50pF
Supplier Device Package 14-SOP	Operating Temperature	-40°C ~ 85°C
	Mounting Type	Surface Mount
Package / Case 14-SOIC (0.209", 5.30mm Width)	Supplier Device Package	14-SOP
	Package / Case	14-SOIC (0.209", 5.30mm Width)
Report errors?		Report errors?

#### **74AC20SJ 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.

### 74AC20SJ Payment Methods



















## 74AC20SJ Shipping Methods













If you have any question about 74AC20SJ, please do not hesitate to contact us!

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