



## 74HC4002D-Q100,118 Information



For Reference Only

Part Number 74HC4002D-Q100,118

Manufacturer Nexperia USA Inc.

Category Integrated Circuits (ICs)
Logic - Gates and Inverters

**Description** IC GATE NOR 2CH 4-INP 14-SO **Package** 14-SOIC (0.154", 3.90mm 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.









# 74HC4002D-Q100,118 Specifications

Manufacturer Part Number       74HC4002D-Q100,118         Manufacturer       Nexperia USA Inc.         Category       Integrated Circuits (ICs)         Logic - Gates and Inverters         Package       14-SOIC (0.154", 3.90mm Width)         Series       74HC         Logic Type       NOR Gate         Number of Circuits       2         Number of Inputs       4         Features       -         Voltage - Supply       2 V ~ 6 V         Current - Quiescent (Max)       2µA         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       17ns @ 6V, 50pF         Operating Temperature       -40°C ~ 125°C         Mounting Type       Surface Mount         Supplier Device Package       14-SO         Package / Case       14-SOIC (0.154", 3.90mm Width)		
Category         Integrated Circuits (ICs)           Logic - Gates and Inverters           Package         14-SOIC (0.154", 3.90mm Width)           Series         74HC           Logic Type         NOR Gate           Number of Circuits         2           Number of Inputs         4           Features         -           Voltage - Supply         2 V ~ 6 V           Current - Quiescent (Max)         2μA           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         17ns @ 6V, 50pF           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Supplier Device Package         14-SO           Package / Case         14-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	74HC4002D-Q100,118
Package         14-SOIC (0.154", 3.90mm Width)           Series         74HC           Logic Type         NOR Gate           Number of Circuits         2           Number of Inputs         4           Features         -           Voltage - Supply         2 V ~ 6 V           Current - Quiescent (Max)         2μA           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         17ns @ 6V, 50pF           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Supplier Device Package         14-SO           Package / Case         14-SOIC (0.154", 3.90mm Width)	Manufacturer	Nexperia USA Inc.
Package14-SOIC (0.154", 3.90mm Width)Series74HCLogic TypeNOR GateNumber of Circuits2Number of Inputs4Features-Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ 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 $17\text{ns}$ @ 6V, $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-SO}$ Package / Case $14\text{-SOIC}$ (0.154", 3.90mm Width)	Category	Integrated Circuits (ICs)
Series         74HC           Logic Type         NOR Gate           Number of Circuits         2           Number of Inputs         4           Features         -           Voltage - Supply         2 V ~ 6 V           Current - Quiescent (Max)         2μA           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         17ns @ 6V, 50pF           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Supplier Device Package         14-SO           Package / Case         14-SOIC (0.154", 3.90mm Width)		Logic - Gates and Inverters
Logic TypeNOR GateNumber of Circuits2Number of Inputs4Features-Voltage - Supply2 V ~ 6 VCurrent - Quiescent (Max)2μACurrent - Output High, Low5.2mA, 5.2mALogic Level - Low0.5 V ~ 1.8 VLogic Level - High1.5 V ~ 4.2 VMax Propagation Delay @ V, Max CL17ns @ 6V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-SOPackage / Case14-SOIC (0.154", 3.90mm Width)	Package	14-SOIC (0.154", 3.90mm Width)
Number of Circuits2Number of Inputs4Features-Voltage - Supply2 V ~ 6 VCurrent - Quiescent (Max)2μACurrent - Output High, Low5.2mA, 5.2mALogic Level - Low0.5 V ~ 1.8 VLogic Level - High1.5 V ~ 4.2 VMax Propagation Delay @ V, Max CL17ns @ 6V, 50pFOperating Temperature-40°C ~ 125°CMounting TypeSurface MountSupplier Device Package14-SOPackage / Case14-SOIC (0.154", 3.90mm Width)	Series	74HC
Number of Inputs 4 Features - Voltage - Supply 2 $V \sim 6 V$ Current - Quiescent (Max) 2 $\mu$ 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 17ns @ $V \sim 1.8 V$ Operating Temperature - $V \sim 1.8 V \sim 1.8 V$ Mounting Type Surface Mount Supplier Device Package 14-SO 14-SOIC (0.154", 3.90mm Width)	Logic Type	NOR Gate
Features-Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $2\mu\text{A}$ 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 $17\text{ns}$ @ 6V, 50pFOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-SOIC}$ (0.154", 3.90mm Width)	Number of Circuits	2
Voltage - Supply $2\ V \sim 6\ V$ Current - Quiescent (Max) $2\mu A$ Current - Output High, Low $5.2\text{mA}, 5.2\text{mA}$ 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 $17\text{ns @ 6V, 50pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type $\text{Surface Mount}$ Supplier Device Package $14\text{-SOIC }(0.154^{\circ}\text{H}, 3.90\text{mm Width})$	Number of Inputs	4
Current - Quiescent (Max) $2\mu A$ $Current$ - Output High, Low $5.2mA$ , $5.2mA$ $0.5 \text{ V} \sim 1.8 \text{ V}$ Logic Level - Low $0.5 \text{ V} \sim 4.2 \text{ V}$ Max Propagation Delay @ V, Max CL $17ns$ @ 6V, $50pF$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Mounting Type Surface Mount Supplier Device Package $14-SO$ Package / Case $14-SOIC$ (0.154", 3.90mm Width)	Features	-
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 $17 \text{ns}$ @ 6V, $50 \text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14-\text{SO}$ Package / Case $14-\text{SOIC}$ ( $0.154$ ", $3.90 \text{mm}$ 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 $17 \text{ns}$ @ 6V, 50pFOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-SO}$ Package / Case $14\text{-SOIC}$ (0.154", 3.90mm Width)	Current - Quiescent (Max)	2μΑ
Logic Level - High  1.5 V ~ 4.2 V  Max Propagation Delay @ V, Max CL  17ns @ 6V, 50pF  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Supplier Device Package  14-SO  Package / Case  14-SOIC (0.154", 3.90mm Width)	Current - Output High, Low	5.2mA, 5.2mA
Max Propagation Delay @ V, Max CL  17ns @ 6V, 50pF  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Supplier Device Package  14-SO  Package / Case  14-SOIC (0.154", 3.90mm Width)	Logic Level - Low	0.5 V ~ 1.8 V
Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Supplier Device Package  14-SO  Package / Case  14-SOIC (0.154", 3.90mm Width)	Logic Level - High	1.5 V ~ 4.2 V
Mounting Type Surface Mount  Supplier Device Package 14-SO  Package / Case 14-SOIC (0.154", 3.90mm Width)	Max Propagation Delay @ V, Max CL	17ns @ 6V, 50pF
Supplier Device Package 14-SO Package / Case 14-SOIC (0.154", 3.90mm Width)	Operating Temperature	-40°C ~ 125°C
Package / Case 14-SOIC (0.154", 3.90mm Width)	Mounting Type	Surface Mount
	Supplier Device Package	14-SO
Report errors?	Package / Case	14-SOIC (0.154", 3.90mm Width)
		Report errors?

### **74HC4002D-Q100,118 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.

### 74HC4002D-Q100,118 Payment Methods



















## 74HC4002D-Q100,118 Shipping Methods













If you have any question about 74HC4002D-Q100,118, please do not hesitate to contact us!

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